# UNIVERSITY OF LONDON UNIVERSITY COLLEGE

# ANNUAL REPORT

OCTOBER 1949 · SEPTEMBER 1950

UNIVERSITY OF LONDON, UNIVERSITY COLLEGE

# ANNUAL REPORT

## 1st October 1949 to 30th September 1950

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# COLLEGE COMMITTEE

**Chairman :** The Rt. Hon. Lord NORMAND, LL.D.

**Vice-Chairman :** Sir ROBERT WALEY COHEN, K.B.E., M.A.‡

**Treasurer :** DAVID HERON, M.A., D.Sc.†

ARTHUR BRIAN ASHBY, M.A.

Professor H. E. M. BARLOW, B.Sc.(Eng.), Ph.D., M.I.E.E., A.M.I.Mech.E.†

A. DIGBY BESANT, B.A., Past Pres.I.A.†

Mrs. IRENE CHAPLIN, B.A., J.P.

Professor G. R. DE BEER, M.A., D.Sc., F.R.S.*

W. E. DUNCANSON, Ph.D., D.Sc.§

P. DUNSHEATH, C.B.E., M.A., D.Sc., M.I.E.E.

Sir ALEXANDER GIBB, G.B.E., C.B., LL.D., F.R.S.†

R. E. GIBBS, D.Sc.§

Professor A. V. HILL, C.H., O.B.E., Sc.D., LL.D., D.Sc., M.D., F.R.S.‡§

A. S. HOLNESS, F.I.A.

Sir FREDERICK JAMES, C.B.E.

Professor G. W. KEETON, M.A., LL.D.

L. HILARY MACKLIN, O.B.E., M.A.§

E. K. MARTIN, M.B., M.S., F.R.C.S.†

Professor J. E. NEALE, M.A., D.Litt., F.B.A.†§

Professor W. H. PEARSALL, D.Sc., F.R.S.

D. R. PYE, C.B., M.A., Sc.D., F.R.S.‡ (*Provost*)

Professor A. H. SMITH, O.B.E., M.A., Ph.D., D.Lit.*

Miss ETHELDREDA WICKERS, B.A., A.C.P.

Professor F. R. WINTON, M.A., M.D., D.Sc.§

R. MCKINNON WOOD, O.B.E., M.A.§

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† Fellow of the College.
‡ Hon. Fellow of the College.
§ Appointed after 1st October 1949.
* Membership terminated prior to 30th September 1950.

# PROFESSORIAL BOARD

## Chairman

D. R. PYE, C.B., M.A., Sc.D., F.R.S.‡

| | Appointed§ |
|---|---|
| G. C. ALLEN, M.Com., Ph.D. | 1946 |
| E. N. DA C. ANDRADE, D.Sc., Ph.D., F.R.S.†* | 1928 |
| A. J. AYER, M.A. | 1946 |
| E. H. F. BALDWIN, Ph.D. | 1950 |
| H. E. M. BARLOW, B.Sc.(Eng.), Ph.D., M.I.E.E., A.M.I.Mech.E.† | 1945 |
| H. HALE BELLOT, M.A.† | 1930 |
| S. T. BINDOFF, M.A. | 1949 |
| O. L. BRADY, D.Sc., D.I.C., F.R.I.C. | 1922 |
| G. L. BROWN, C.B.E., M.Sc., M.B., Ch.B., F.R.S. | 1949 |
| Sir CYRIL BURT, M.A., D.Litt., D.Sc., LL.D. | 1932 |
| J. ČERNÝ, Ph.Dr. | 1946 |
| W. M. COLDSTREAM | 1949 |
| H. J. COLLINS, M.C., M.Sc., M.I.C.E., M.I.Mech.E., P.P.I.Struct.E., A.M.Am.Soc.C.E. | 1936 |
| H. O. CORFIATO, S.A.D.G., F.S.A., F.R.I.B.A. | 1937 |
| H. C. DARBY, O.B.E., M.A., Ph.D. | 1949 |
| H. DAVENPORT, M.A., Sc.D., F.R.S. | 1945 |
| FLORENCE N. DAVID, Ph.D. | 1947 |
| G. R. DE BEER, M.A., D.Sc., F.R.S.* | 1945 |
| H. DINGLE, D.Sc., D.I.C., A.R.C.S. | 1946 |
| W. E. DUNCANSON, Ph.D., D.Sc. | 1947 |
| R. C. FITZGERALD, LL.B., F.R.S.A. | 1949 |
| DARYLL FORDE, Ph.D.† | 1945 |
| D. B. FRY, Ph.D. | 1948 |
| A. H. GERRARD | 1947 |
| J. B. S. HALDANE, M.A., D.Sc., D. de l'Univ., F.R.S. | 1933 |
| C. A. HART, T.D., D.Sc.(Eng.), Ph.D., M.I.C.E., F.R.I.C.S., A.M.I.Struct.E.†* | 1946 |
| A. V. HILL, C.H., O.B.E., Sc.D., LL.D., D.Sc., M.D., F.R.S.‡ | 1923 |

† Fellow of the College.
‡ Hon. Fellow of the College.
§ The years given in the case of Professors are those in which they were appointed to their respective Chairs: in the case of others, the years are those in which they were first appointed members of the Professorial Board.
* Resigned appointment prior to 30th September 1950.

| | Appointed§ |
|---|---|
| W. G. Holford, M.A., F.R.I.B.A., M.T.P.I., F.I.L.A. | 1947 |
| S. E. Hollingworth, M.A., D.Sc. | 1946 |
| E. D. Hughes, D.Sc., Ph.D., F.R.I.C., F.R.S. | 1948 |
| R. A. Humphreys, O.B.E., M.A., Ph.D. | 1948 |
| C. K. Ingold, D.Sc., F.R.S. | 1930 |
| Raymond Irwin, M.A., F.L.A. | 1945 |
| A. H. M. Jones, M.A., F.B.A. | 1946 |
| R. O. Kapp, B.Sc.(Eng.), M.I.E.E. | 1935 |
| G. W. Keeton, M.A., LL.D. | 1938 |
| L. Margaret Kerly, M.A., Ph.D. | 1946 |
| B. J. Lloyd-Evans, M.Sc.(Eng.), Ph.D., M.I.Mech.E. | 1948 |
| J. F. Lockwood, M.A., Ph.D. | 1945 |
| Kathleen Lonsdale, D.Sc., F.R.S. | 1949 |
| H. S. W. Massey, M.Sc., Ph.D., F.R.S. | 1939 |
| J. E. Neale, M.A., D.Litt., F.B.A.† | 1927 |
| W. H. Pearsall, D.Sc., F.R.S. | 1944 |
| E. S. Pearson, C.B.E., M.A., D.Sc.† | 1935 |
| L. S. Penrose, M.A., M.D., M.R.C.S., L.R.C.P. | 1945 |
| G. J. Renier, Ph.D., Phil.Lit.cand.† | 1945 |
| C. M. Robertson, M.A. | 1948 |
| C. J. Sisson, M.A., D.Lit., D.-ès-L. | 1928 |
| A. H. Smith, O.B.E., M.A., Ph.D., D.Lit. | 1949 |
| S. Stein, Ph.D. | 1948 |
| S. Sugden, D.Sc., A.R.C.S., F.R.S.¶ | 1937 |
| H. Terrey, B.Sc. | 1928 |
| D. M. S. Watson, LL.D., D.Sc., F.R.S.‡ | 1921 |
| H. E. Watson, D.Sc., F.R.I.C., M.I.Chem.E.† | 1934 |
| T. B. L. Webster, M.A., F.S.A. | 1948 |
| R. Weiss, B.A. | 1946 |
| John Wilks, M.A., F.L.A.† | 1926 |
| L. A. Willoughby, M.A., D.Lit., Ph.D.† | 1931 |
| F. R. Winton, M.A., M.D., D.Sc. | 1938 |
| R. Wittkower, Ph.D. | 1949 |
| B. Woledge, M.A., D. de l'Univ. | 1939 |
| D. O. Wood, M.Sc., A.R.C.S., F.Inst.P. | 1932 |
| T. L. Wren, M.A. | 1922 |
| J. Z. Young, M.A., F.R.S. | 1945 |

† Fellow of the College.

‡ Hon. Fellow of the College.

§ The years given in the case of Professors are those in which they were appointed to their respective Chairs: in the case of others, the years are those in which they were first appointed members of the Professorial Board.

¶ Died on 20th October 1950.

*Assessors*

| The Sub-Deans of the Faculties :— | Appointed§ |
|---|---|
| *Arts*: R. D. McLellan, Ph.D. | 1945 |
| *Laws*: O. R. Marshall, M.A., Ph.D. | 1949 |
| *Engineering*: H. Marriott, B.Eng., B.Sc.(Econ.), A.M.I.E.E. | 1945 |
| *Medical Sciences*: J. T. Aitken, M.D. | 1946 |
| The Tutor to Women Students: Eleanor M. Davis, B.A. | 1946 |

§ The years given in the case of Professors are those in which they were appointed to their respective Chairs: in the case of others, the years are those in which they were first appointed members of the Professorial Board.

# OFFICERS OF THE FACULTIES

## Faculty of Arts

*Dean*: Professor G. J. RENIER, Ph.D., Phil.Lit.cand.
*Vice-Dean*: Professor J. F. LOCKWOOD, M.A., Ph.D.
*Sub-Dean*: R. D. MCLELLAN, Ph.D.

## Faculty of Laws

*Dean*: Professor G. W. KEETON, M.A., LL.D.
*Vice-Dean*: G. SCHWARZENBERGER, Ph.D., Dr.Jur.
*Sub-Dean*: O. R. MARSHALL, M.A., Ph.D.

## Faculty of Science

*Dean*: Professor W. H. PEARSALL, D.Sc., F.R.S.
*Vice-Dean*: Professor H. S. W. MASSEY, M.Sc., Ph.D., F.R.S.
*Sub-Dean*: D. O. WOOD, M.Sc., A.R.C.S., F.Inst.P.

## Faculty of Engineering

*Dean*: Professor H. E. M. BARLOW, B.Sc.(Eng.), Ph.D., M.I.E.E., A.M.I.Mech.E.
*Vice-Dean*: Professor B. J. LLOYD-EVANS, M.Sc.(Eng.), Ph.D., M.I.Mech.E.
*Sub-Dean*: H. MARRIOTT, B.Eng., B.Sc.(Econ.), A.M.I.E.E.

## Faculty of Medical Sciences

*Dean*: Professor J. Z. YOUNG, M.A., F.R.S.
*Vice-Dean*: Professor F. R. WINTON, M.A., M.D., D.Sc.
*Sub-Dean*: J. T. AITKEN, M.D.

# TUTORS

### Senior Tutor

D. O. Wood, M.Sc., A.R.C.S., F.Inst.P.

### Tutor to Women Students

Eleanor M. Davis, B.A.

### Faculty Tutors

| | |
|---|---|
| *Tutor to Arts Students*: | R. D. McLellan, Ph.D. |
| *Tutor to Laws Students*: | O. R. Marshall, M.A., Ph.D. |
| *Tutor to Science Students*: | D. O. Wood, M.Sc., A.R.C.S., F.Inst.P. |
| *Tutor to Engineering Students*: | H. Marriott, B.Eng., B.Sc.(Econ.), A.M.I.E.E. |
| *Tutor to Medical Students*: | J. T. Aitken, M.D. |

### Departmental Tutors

| | |
|---|---|
| *Architecture*: | L. Stuart Stanley, M.A., F.R.I.B.A., M.T.P.I. |
| *Economics*: | A. W. Stonier, M.A., D.Phil. |
| *Librarianship and Archives*: | Raymond Irwin, M.A., F.L.A. |

### Assistant Tutors

| | |
|---|---|
| *Chemistry*: | H. Terrey, B.Sc. |
| *English*: | H. Winifred Husbands, M.A. |
| *French*: | Dora Starke, M.A. |
| *History*: | S. T. Bindoff, M.A. |

### Adviser to Postgraduate Students

T. J. B. Spencer, B.A.

### Supervisor of Dental Students

R. D. Harkness, B.Sc., M.B., B.S., M.R.C.S., L.R.C.P.

# LIBRARY STAFF

**Librarian**

JOHN WILKS, M.A., F.L.A., Fellow of the College

**Deputy Librarian**

KENNETH GARSIDE, M.A.

# ADMINISTRATIVE STAFF

**Provost**

D. R. Pye, C.B., M.A., Sc.D., F.R.S.
Honorary Fellow of the College

*Secretary*—E. A. L. Gueterbock, M.A.

*Assistant Secretary*—Winifred Radley

*Accountant*—H. W. Claxton, O.B.E., A.C.A.

*Registrar*—H. E. Foster, M.A., F.Z.S.

*Bursar*—C. H. Cooke, C.I.E., B.A.*

*Superintendent of Records*—O. V. Lawley

*Superintendent of Works*—C. V. Seagrim, O.B.E., B.A., A.M.I.E.E., A.I.Mech.E.

*Establishment Officer*—H. C. C. Monahan, M.C., B.A.

*Deputy Accountant*—G. N. White, A.C.A.§

*Assistant Accountant*—F. H. J. Davidson

*Maintenance Officer*—A. W. Woolven

*Deputy Registrars*—Nancie L. Pank
Margaret R. Melrose, M.A.

*Cashier*—J. H. Nicholls

*Publications Assistant*—L. J. Gue

*Chief Clerk*—R. L. Gregory

*Domestic Superintendent*—Edith M. Baker

*Alumnus Secretary*—Millicent M. Oldham

*Private Secretary to the Provost*—Betty M. Baker, B.A.

*Refectory: Catering Managers' Steward*—P. G. Noller

*Nurse*—Helen Drinkwater, S.R.N.*
Dorothy Bowden, S.R.N.§

*Hon. Sanitary Adviser*—M. E. Delafield, M.B., B.Ch., D.P.H.

*Auditors*—Messrs. Price, Waterhouse & Co.

* Resigned appointment prior to 30th September 1950.
§ Appointed after 1st October 1949.

## CHANGES IN THE COLLEGE COMMITTEE

At the opening of the session Lord Normand, whose acceptance of an invitation to become Chairman of the Committee was recorded in the last Report, assumed the duties of Chairman, and, in order to meet members of the staff and to acquaint himself with the work of the College, in due course visited every academic department.

The following changes in the membership of the Committee took place during the session. In November 1949, Professor J. E. Neale was appointed to serve on the Committee in place of Professor A. H. M. Jones, who had resigned in the preceding May on account of ill-health. In March 1950, at the beginning of the new committee year, Professor F. R. Winton succeeded Professor G. R. de Beer as the professorial representative of the Faculty of Medical Sciences, and Professor A. H. Smith, who before his appointment to the Quain Chair of English Language and Literature had served on the Committee as the representative of the non-professorial members of the academic staff, was replaced by Dr. W. E. Duncanson. Professor A. V. Hill and Dr. R. E. Gibbs were appointed to the Committee on the recommendation of the Fellows of the College and the Old Students' Association respectively, and Mr. R. McKinnon Wood on the nomination of the London County Council. Towards the end of the session the Committee was strengthened by the appointment to one of the remaining vacancies of Mr. L. Hilary Macklin.

## CHANGES IN THE PROFESSORIAL BOARD

The new professors who took their place on the Board during the session were Professor E. H. F. Baldwin, Professor G. L. Brown, Professor W. M. Coldstream, Professor H. C. Darby, Professor Kathleen Lonsdale, Professor R. Wittkower, and Professor A. H. Smith who had served on the Board previously as a representative of the non-professorial members of the academic staff.

Dr. D. B. Fry was appointed a member of the Board under Statute 24 (iv) for as long as he remains head of the Department of Phonetics in the College.

The six members of the non-professorial staff appointed to membership of the Board under Statute 24 (v) for the session were Mr. S. T. Bindoff, Dr. Florence N. David, Dr. W. E. Duncanson, Mr. R. C. FitzGerald, Dr. L. Margaret Kerly and Mr. H. Terrey.

# FINANCE

## FINANCIAL YEAR 1949-50

The audited accounts of the College for the year ended 31st July 1950 are given in Appendix IV, page 81.

### Income and Expenditure Account

The Income and Expenditure Account shows a deficit of £4,940, as compared with a surplus of £6,630 in the previous year.

The total income of £689,294 exceeded that of the previous year by £114,321. This was almost entirely due to the increases in the Recurrent Grants allocated by the Court of the University, as follows:—

| | *1948-49* | *1949-50* | *Increases* |
|---|---|---|---|
| | £ | £ | £ |
| For General Purposes ..... | 348,427 | 374,427 | 26,000 |
| For Medical Education..... | 60,573 | 75,573 | 15,000 |
| For Development of Social Sciences | 7,000 | 9,100 | 2,100 |
| For Supplementation of Salaries.. | — | 66,742 | 66,742 |
| | £416,000 | £525,842 | £109,842 |

The total expenditure of £694,234 showed an increase of £125,891. More than half of this was due to the supplementation of salaries, for which, as stated above, a special grant of £66,742 was received; the remainder arose from new appointments, normal increments of salary and the still rising cost of printing and stationery, works materials and wages.

### Appropriation Account

This account, in which the three sections of the activities of the College for which recurrent grants are received are shown separately, gives the balances brought forward from the previous year, the financial results of the year 1949-50, and the balances carried forward to the Balance Sheet at 31st July 1950. In the year a net surplus of £12,727 was reduced to £1,954.

### Rehabilitation and Development Account

This account records the course of operations upon the rebuilding of the College after damage suffered during the war and upon the provision of temporary accommodation and of certain new construction, and of their equipment.

The various projects are financed mainly by special capital grants from the University Grants Committee, and by War Damage payments, but the balance has to be found from College resources.

In this account the payments of £735,013 up to 31st July 1950 exceeded the receipts of £546,881 up to the same date by £188,132, which related to expenditure upon :—

| | £ |
|---|---|
| Projects for which capital grants have been approved and not received as at the date of account | 9,229 |
| Apparatus for which capital grants have been approved and not received as at the date of account | 3,891 |
| Projects in anticipation of capital grants | 79,530 |
| Preparation of Plans for College reconstruction, chargeable to individual projects later (including £2,195 for development projects) | 16,712 |
| War Damage repairs for which compensation will be paid | 62,199 |
| Projects to be financed from College funds | 16,571 |
| | £188,132 |

## Capital Grants

Capital Grants approved by the University Grants Committee for the year 1950-51 were as follows :—

| | £ |
|---|---|
| *Acquisition of Land and Properties* | |
| Purchase of lease and contents of 31-43 Cartwright Gardens for use as a Students' Hostel | 22,500 |
| *Temporary or Emergency Measures* | |
| Huts | 3,600 |
| Junior Chemistry Laboratory | 4,000 |
| Reconstruction of No. 17 Gordon Street | 950 |
| Botany Laboratory | 11,500 |
| Removal of Chemistry battery house and erection of a cycle shed | 1,700 |
| Adaptation of top floor of No. 116 Gower Street | 1,700 |
| Reconstruction of Nos. 24-26 Gordon Square | 11,650 |
| Office for Superintendent of Works | 1,500 |
| | (36,600) |
| *New Construction and Equipment* | |
| Installation of new boiler | 1,300 |
| Alterations and additions in various parts of the College | 4,200 |
| Alterations and improvements to Hostels | 7,000 |
| Replanning of accommodation in Engineering Faculty | 9,600 |
| Additional benches and shelving in Chemistry Department | 2,200 |
| Purchase of office equipment and departmental furniture | 6,705 |
| Purchase of furniture for the main Library | 40,000 |
| Purchase of new equipment for departments | 23,080 |
| Purchase of equipment for Civil and Municipal Engineering Department | 500 |
| | (94,585) |
| | £153,685 |

### Balance Sheet.

Features of special interest were :—

*Liabilities*

TREASURY LOAN. An interest-free loan of £127,650 was received from the Treasury to finance the purchase of additional properties in Gordon Square and Gower Street.

CURRENT LIABILITIES. A temporary interest-free loan of £120,000 from the University on account of Court Grant was received in July 1950 and was repaid in September 1950.

*Assets*

FREEHOLD PROPERTIES. The increase of £137,379 was due mainly to the purchase from the Bedford Estate of new properties already referred to.

GENERAL COLLEGE FUNDS INVESTMENTS. The reduction of £27,143 was due to the realisation of investments in order to finance capital works.

## SCHOLARSHIPS AND PRIZES

Expenditure upon these awards amounted to £7,080 16*s.* 10*d.* in 1949-50. Awards were made as under :—

| | *Undergraduate* | | | *Postgraduate* | | |
|---|---|---|---|---|---|---|
| | £ | *s.* | *d.* | £ | *s.* | *d.* |
| From Endowments | 1,762 | 17 | 4 | 1,631 | 9 | 9 |
| ,, Donations and Subscriptions | 306 | 17 | 4 | 700 | 0 | 0 |
| ,, General Income | 1,385 | 9 | 6 | 1,094 | 13 | 11 |
| ,, ,, ,, (Exhibition Bursaries and special fee remissions) | 199 | 9 | 0 | — | | |
| | £3,654 | 13 | 2 | £3,426 | 3 | 8 |

## LOANS TO STUDENTS

There are four funds (the College Loan Fund, the Rouse Ball Loan Fund, the Madeleine Cole Loan Fund and the M. J. M. Hill Loan Fund) from which loans are made to students on the following terms :—

(*a*) Loans during a student's career in the College do not carry interest.
(*b*) After the end of a student's career in the College, the loans carry interest at the rate of 5 per cent. except that loans from the W. W. Rouse Ball Loan Fund are free of interest.
(*c*) Loans are repayable within three years from the completion of a student's college career, unless, on the special application of the student concerned, an extension of time is granted.
(*d*) Students to whom loans are granted sign a document accepting these conditions, and in the case of students under age their parents or guardians countersign the same undertaking.

The operation of these funds during 1949-50 is shown in the following statement :—

| | *College* | *Rouse Ball* | *Madeleine Cole* | *M. J. M. Hill* |
|---|---|---|---|---|
| | £ | £ | £ | £ |
| Balances at 31st July 1949.... | 806 | 503 | 246 | 317 |
| *Add*: Loans repaid ..... | 92 | — | 25 | 31 |
| Interest on Loans ..... | 7 | — | 5 | 5 |
| Donations ..... | 23 | — | — | — |
| Deposit Interest..... | — | 15 | 7 | 11 |
| | 928 | 518 | 283 | 364 |
| *Less* Loans granted ..... | 211 | — | 20 | 25 |
| Balances at 31st July 1950.... | £717 | £518 | £263 | £339 |
| Loans outstanding at 31st July 1950..... | £1,101 | £16 | £117 | £60 |

## THE CRABB ROBINSON FUND

This is a Trust Fund from which annual grants may be made to further the social and athletic life of the students.

The following grants were made in 1949-50 :—

| | £ |
|---|---|
| The Union, for games equipment..... | 150 |
| Students' Hostel at 93-97 Gower Street, for amenities ..... | 20 |
| Slade Students' Hostel at 28-29 Cartwright Gardens, for amenities..... | 10 |
| College Hall, for amenities ..... | 15 |
| | £195 |

The invested capital of the Fund is approximately £5,971 which yields an annual income of approximately £180.

## THE PEEL FUND

The Fund was created by Sir Robert Peel in 1855 with the object of providing books for working-class readers. The capital of the Fund is £2,073 which produces an income of approximately £52 10*s.* per annum.

No grants were made in the Session 1949-50, and the income of the Fund, £52 7*s.* 8*d.* was handed over to the National Central Library in accordance with the recommendation of the Peel Committee.

## BENEFACTIONS AND DONATIONS

The College Committee makes grateful acknowledgment of the following gifts:—

Anglo-Swedish Literary Foundation:

£500 for the restoration and modernisation of the Swedish section of the Library.

Anonymous Donor:

a scholarship, to be known as the Webb Scholarship, of the value of £250 per annum for a woman student normally resident in one of the less developed areas of, or associated with, the British Commonwealth of Nations.

Mrs. Lake Barnett:

£1,000 for the upkeep of a room in the College for the Folk-Lore Society and a collection of up to three thousand books on folk-lore.

Chadwick Trustees:

£600 for one year to establish a scholarship for research in Public Health Engineering.

Emeritus Professor J. P. Hill:

his embryological collection.

Mr. Forbes Jackson:

a half joint of the original Ferranti cable designed in 1890 which connected the London Electric Company's station at Deptford to the distributing stations in London.

Mr. G. J. F. Knowles:

a portfolio of Legros drawings and etchings for the Slade School.

Library Association:

the royalties received from *The Libraries of London* (a course of lectures given in the Easter vacation course in Librarianship 1948), for a book prize for students to the value of £5 for at least seven or eight years.

Nuffield Foundation:

£500 per annum for three years for the furtherance of certain experimental investigations in the Department of Anatomy and Embryology.

£1,000 per annum for five years for each of the following studies:—

(i) a continuation of the study of learning.

(ii) an investigation of the application of electronic theory and technique to the study of the nervous system.

£1,000 per annum for five years for the study of the transport of substances along the nerve fibres.

Mr. R. E. Parry:

£100 for a prize in the Department of Geography.

Lady Petrie:

certain prehistoric pottery for the Department of Egyptology.

The late W. Graham Robertson:

£2,000 for the Slade School, the income to be used to provide a travelling award to enable a promising student to make a relatively short visit to the Continent.

# COLLEGE SITES AND BUILDINGS

Since the last report further progress has been made in the restoration of the Main Buildings, the chief visible achievement being the completion of the dome. The restoration of the General Library and the Upper Refectory, on which work was started last year, was completed during the Long Vacation and in time for their re-occupation at the beginning of the session 1950–51; the Upper Refectory is now being used as a Staff Refectory.

Restoration of the wing of the Main Building south of the dome is nearing completion. The basement and ground floor are being temporarily adapted for use early next session: the basement as an extension of the Union premises, and the ground floor to accommodate the Council and Committee rooms, the Accounts Department and parts of the Geology and Psychology Departments. It is hoped that the two upper floors, for the Library and some departments of the Arts Faculty, will be ready in December 1950, and the wing north of the dome by the following October. Work on the North Junction is progressing and reconstruction of the South Junction is to start in 1951.

In the Chemistry department the projected light storey on the top of the building has been held up by lack of funds. The installation of a fume extraction plant was started during the Long Vacation of 1950.

In Gordon Square, the restoration of No. 26 was completed by December 1949, and the Department of Political Economy was transferred there from No. 24 during the Christmas vacation. Nos. 24 and 25 were completed during the summer, and the History Department and the History Library were transferred to these houses.

A new hut on the Gordon Street front to provide additional laboratory space for the Botany Department was started during the year and will be ready for use in October 1950.

The first stage of the new Animal House between the Medical Sciences building and Foster Court was completed and plans for the second stage were revised in accordance with the wishes of the departments concerned. It has not been possible to start work on the latter as a grant for it has not yet been received.

Accommodation to house the Flinders Petrie collection of Egyptian antiquities has long been a pressing need, and a large room near Foster Court is being converted into a temporary museum, where the antiquities can be displayed in suitable show cases. This museum will be completed during next session, and will be used till the collection can be housed in a permanent museum in the new Arts Wing.

In addition to these works, further progress has been made in the rewiring and reorganisation of electricity services. The North Wing and part of the Chemistry building were rewired in 1949 and the remainder of Chemistry and the whole of the Anatomy building are being rewired in 1950.

The College heating system has also been reorganised and expanded by the installation of one new boiler and some new oil-firing equipment in the Malet Place boiler house. Consideration is being given to the construction of a new central boiler house to supply heating to the whole College.

The next major building project, which is planned to start in 1951, is the first stage of the new Physics building from the North Junction to the present Chemical Engineering building. Plans are also well advanced for a building to complete the West or Gower Street front of the Main Quadrangle, joining the present Engineering and Statistics buildings.

New property acquired by the University from the Duke of Bedford's estate at the beginning of the year includes Nos. 88 to 98 Gower Street, the site of the Tavistock clinic in Torrington Place, and Nos. 14 to 24 Gordon Square. Of these, vacant possession of the Tavistock clinic site alone was obtained. During the course of the year, however, the College succeeded in securing possession of No. 98 Gower Street and part of No. 94 which are being, or will be, used to house small departments or to provide extensions to other overcrowded departments. Possession has also been obtained of three floors in No. 116 and one floor in No. 114 Gower Street which are being adapted as extensions for the Departments of Anatomy and Anthropology.

## WAR MEMORIAL

Work has proceeded on the Roll of Honour, and a great deal of investigation has been made by the Alumnus Secretary of the records of several hundreds of members of the College who were known to have served during the war, but about whom no subsequent information had been received.

Every effort has been made to ensure that the record is a true one. If there should be any errors or omissions, however, it is hoped that they will be attributed to the difficulty inherent in compiling such a Roll, and not to any lack of care or thought. The list will shortly be put into the hands of the artist, Miss Rosemary Ratcliffe, and the binding of the Memorial Volume will be undertaken by Mr. Sydney M. Cockerell, who teaches the subject of bookbinding in the School of Librarianship and Archives at the College.

The War Memorial Committee at their meeting in June 1950 resolved that the Memorial Volume should be put in some place where it would normally be on view to those taking part in the general life of the College.

# OBITUARY

The College Committee records with deep regret the death of the following persons connected with the College or its work :—

Dr. T. W. Allen, Senior Fellow of Queen's College, Oxford, and a distinguished classical scholar; Fellow of the College. (30th April 1950)

Mrs. Laura Caroline Anning-Bell (née Richard), artist; student, Slade School, 1883–84 and 1885–88. (25th July 1950)

Professor Boris P. Babkin, Physiologist, McGill University, Montreal; research student, Department of Physiology, 1913–14 and 1922–24. (3rd May 1950)

Miss Norah Beale ; student, Faculty of Arts (Librarianship), 1919–20 ; member of the Library Staff, 1912–45, Sub-Librarian from 1929. (14th July 1950)

Miss Anna Maud Buchanan, Fellow of the College. (21st August 1950)

Lieut.-Col. Charles Frederick T. Blyth; student, Faculty of Laws, 1885–87. (12th July 1950)

Dr. J. G. F. Druce; student, Faculty of Science, 1912–15. (22nd June 1950)

Sir Herbert L. Eason, President of the General Medical Council and formerly Vice-Chancellor of the University of London; Fellow of the College. (2nd November 1949)

Mr. Michael John Field; student, Faculty of Engineering, 1922–26, President of the Union, 1925–26. (26th January 1950)

Miss Ethel Gabain (Mrs. John Copley), noted lithographer and painter; student, Slade School, 1905–08. (30th January 1950)

Sir Edward Gait, formerly Lieutenant-Governor of Bihar and Orissa; student, Faculty of Arts, 1882–84. (14th March 1950)

Lady Godlee; student, Faculty of Arts, 1877–78; widow of Sir Rickman Godlee, former Fellow of the College and member of the College Committee. (18th January 1950)

Mrs. Cora Gordon (née Turner), writer and painter; student, Slade School, 1902–06. (1st July 1950)

Dr. Major Greenwood, Professor Emeritus of Epidemiology and Vital Statistics in the University of London; student, Faculty of Science, 1904–05, Honorary Reader in Statistics, 1921–26. (5th October 1949)

Mr. A. S. Hartrick, noted painter, draughtsman and lithographer; student, Slade School, 1883–85. (1st February 1950)

Mrs. P. M. Hill (née Megan Rhys), artist; student, Slade School, 1908–09, 1912–13 and 1914–17. (10th March 1950)

Mr. R. B. Hounsfield, Research Assistant, Department of Civil and Municipal Engineering, since October 1947. (23rd June 1950)

Dr. John Neville Keynes, Registrary Emeritus of the University of Cambridge; student, Faculty of Arts, 1869–72; elected Fellow 1876 (Senior Fellow). (15th November 1949)

Miss Louisa Macdonald, the first Principal of the Women's College, University of Sydney; Fellow of the College since 1888. (28th November 1949)

Mr. Bernard Meninsky, artist; student, Slade School, 1912–13. (12th February 1950)

Professor W. H. Newton, Professor of Physiology, University of Edinburgh; Sharpey Scholar, 1929–30, Lecturer and subsequently Reader in Physiology, 1930–44, acting Head of the Department of Physiology, 1940–44, and Sub-Dean of the Faculty of Medical Sciences, 1939–43. (20th December 1949)

Mr. Elliott Seabrooke, landscape painter; student, Slade School, 1906–11. (6th March 1950)

Mr. Linton Theodore Thorp, K.C., Recorder of Saffron Walden and Maldon, Chairman of Essex Quarter Sessions and Conservative M.P. for Nelson and Colne from 1931–35; student, Faculty of Laws, 1902–05. (6th July 1950)

Professor Ida C. Ward, Professor Emeritus of West African Languages in the University of London and Advisor in African Studies in the School of Oriental and African Studies; student, and subsequently member of the staff of the Department of Phonetics, 1915–32. (10th October 1949)

## APPOINTMENT OF HONORARY FELLOWS AND FELLOWS

The following appointments were made of Honorary Fellows and Fellows of the College:—

*Honorary Fellows*

Sir Robert Waley Cohen, K.B.E., M.A., Vice-Chairman of the University College Committee, Chairman of the Managing Sub-Committee, University College London, Chairman of the Ramsay Memorial Fellowships Trustees.

Sir Hilary Jenkinson, C.B.E., M.A., F.S.A., Deputy Keeper of Public Records and Keeper of the Land Revenue Records.

*Fellows*

Chief Rabbi Israel Brodie, B.A., B.Litt., Chief Rabbi of the United Hebrew Congregations of the British Commonwealth and Empire.

Professor James Wilfred Cook, Ph.D., D.Sc., F.R.S., Regius Professor of Chemistry, University of Glasgow.

Miss Joan Evans, D.Litt., D.Lit., F.S.A., President of the Royal Archaeological Institute, Vice-President of the Society of Antiquaries, Honorary Fellow of St. Hugh's College, Oxford.

Miss Dora Emily Limebeer, M.A., sometime Headmistress of Broughton High School.

Mr. Charles Edward Kenneth Mees, D.Sc., F.R.S., Vice-President and Director in Charge of Research, Eastman Kodak Company, Rochester, New York, U.S.A.

Mr. Cyril Leslie Oakley, M.D., Head of the Department of Immunological and Experimental Pathology, Wellcome Research Laboratories, Beckenham, Kent.

Professor Lillian Margery Penson, Ph.D., LL.D., D.Litt., Professor of Modern History in the University of London (Bedford College), Vice-Chancellor of the University of London.

Professor Theodore Frank Thomas Plucknett, M.A., LL.B., F.B.A., Professor of Legal History in the University of London (London School of Economics).

Professor Charles Singer, M.A., M.D., D.Litt., F.S.A., Professor Emeritus of the History of Medicine, University of London.

## HONOURS AND APPOINTMENTS

PAST AND PRESENT STUDENTS AND OTHER PERSONS CONNECTED WITH THE COLLEGE

The following are among the honours and appointments of which information has been received.

*New Year Honours* 1950

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|---|---|
| K.C.M.G. ..... | Mr. Charles Roy Price, High Commissioner in New Zealand for H.M. Government (Former Student) |
| KNIGHT BACHELOR | Professor Arthur George Tansley, Chairman of the Nature Conservancy (Fellow) |
| C.B.E. ..... | Mr. Stanley Spencer, painter (Former Student) |
| O.B.E. ..... | Mr. Harold Edward Annett (Former Student) |
| | Mr. Devasahayam David Chelliah, Education Officer, Singapore (Former Student) |
| | Mr. William Courtenay, writer on aeronautical subjects (Former Student) |

| | |
|---|---|
| O.B.E. (*cont.*) .... | Mr. Paragodage Bertram Fernando, Professor of Medicine, University of Ceylon (Former Student) |
| | Mr. Walter Holmes Lindsay, Deputy Director of Public Works, Malaya (Former Student) |
| | Mr. Charles Frederick George Ransom, Research Department, Foreign Office (Former Student) |
| | Mr. Edu William Agyl Bampon Sam, Deputy Registrar of Co-operative Societies, Gold Coast (Former Student) |

*King's Birthday Honours* 1950

| | |
|---|---|
| G.C.M.G. ..... | Sir William Strang, Permanent Under-Secretary of State, Foreign Office (Fellow) |
| K.B.E..... | Air Marshal Philip Clermont Livingston, Director-General, Royal Air Force Medical Services (Former Research Student) |
| D.B.E..... | Miss Marjorie S. Cox, Deputy Secretary, Ministry of Pensions (Former Student) |
| KNIGHTS BACHELOR | Dr. Walter Wilson Greg, Honorary Lecturer in Bibliography since 1932 |
| | Dr. James Irvine Orme Masson, Vice-Chancellor of the University of Sheffield (Fellow) |
| C.M.G. ..... | Mr. Cyril George Beasley, Economic Advisor, British West Indies (Former Student) |
| O.B.E. ..... | Mr. Foster Sproxton (Former Student) |

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*Other Honours and Appointments*

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| Abercrombie, Professor Sir Patrick (Professor Emeritus) | Gold Medal of the American Institute of Architects |
| Alderton, Surgeon-Lieutenant J. M., R.N. (Former Student) | Posthumous mention in dispatches, H.M.S. *Amethyst* |
| Allen, Professor G. C. ..... | Sectional President of the British Association for the Advancement of Science, 1950 |
| Allen, Mr. W. G. (Former Student).. | Prime Warden of the Glass Sellers' Company |
| Andrade, Professor E. N. da C. (Fellow) | (i) Director in the Royal Institution, Resident Professor and Director of the Davy Faraday Research Laboratory |
| | (ii) Membre Correspondant de l'Academie des Sciences de l'Institut de France |
| | (iii) Professor Emeritus, University of London |
| | (iv) Honorary Degree of LL.D., University of Edinburgh |
| Babkin, Professor Boris P. (Former Research Student) | Fellow of the Royal Society |
| Barnes, Air Commodore William Edward (Former Student) | Principal Medical Officer, Technical Training Command, with acting rank of Air Vice-Marshal |

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|---|---|
| Bates, Professor L. F. (Former Reader) | Fellow of the Royal Society |
| Beaver, Mr. S. H. (Former Student) | Professor of Geography, North Staffordshire University College |
| Bindoff, Mr. S. T. ..... | Member, Dutch Society of Literature |
| Brocklehurst, Professor R. J. (Former Lecturer) | Sectional President, British Association for the Advancement of Science, 1950 |
| Burt, Professor Sir Cyril ..... | (i) Professor Emeritus, University of London<br>(ii) Ordinary Fellow of the British Academy |
| Comrie, Dr. L. J. (Former Student).. | Fellow of the Royal Society |
| Corbett, Mrs. F. (née Mansell) (Former Student) | Labour Member of Parliament for Peckham |
| Cripps, The Rt. Hon. Sir Stafford (Fellow) | (i) Labour Member of Parliament for Bristol (South-East)<br>(ii) Chancellor of the Exchequer |
| Dale, Sir Henry (Honorary Fellow).. | President, British Council |
| Davenport, Professor H. ..... | University representative, International Congress of Mathematicians, Harvard University, 1950 |
| Davies, Mr. E. A. J. (Former Student) | (i) Labour Member of Parliament for Enfield East<br>(ii) Parliamentary Under-Secretary of State, Foreign Office |
| de Beer, Professor G. R..... | Director, British Museum (Natural History) |
| Dingle, Professor H..... | Delivered the Norman Lockyer Lecture, British Association, 1949 |
| Duke-Elder, Sir Stewart (Fellow).. | University Representative, XVIth Congress of Ophthalmology |
| Dunsheath, Dr. P..... | Chairman of Convocation, University of London |
| Elwes, Mr. Simon E. (Former Student) | Member, National Society of Painters, Sculptors and Engravers |
| Evans, Professor C. A. Lovatt (Professor Emeritus) | Chairman, Executive Council, Royal Veterinary College and Hospital |
| Eysenck, Dr. H. J. ..... | Reader in Psychology, Institute of Psychiatry |
| Fawcett, Professor C. B. (Professor Emeritus) | (i) Visiting Professor, Clark University, U.S.A.<br>(ii) Honorary Degree of D.Sc., Clark University, U.S.A. |
| Flugel, Dr. J. C. ..... | Sectional President, British Association for the Advancement of Science, 1950 |
| Fortes, Dr. Meyer (Former Student) | William Wyse Professor of Social Anthropology, University of Cambridge |
| Gaitskell, The Rt. Hon. H. T. N. (Former Reader) | (i) Labour Member of Parliament for Leeds (South)<br>(ii) Minister of State for Economic Affairs |

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|---|---|
| Gibbons, Miss Stella D. (Former Student) | Fellow, Royal Society of Literature |
| Gray, Sir Archibald (Fellow)..... | Harveian Orator, Royal College of Physicians |
| Haldane, Professor J. B. S..... | Corresponding Member, German Academy of Science at Berlin |
| Hart, Professor C. A.... ..... | (i) Commanding Officer, University of London U.T.C. (T.A.)<br>(ii) First Vice-Chancellor, Roorkee University of Engineering and Applied Science |
| Hill, Professor A. V..... | Honorary Degree of D.Sc., University of Liège |
| Hollingworth, Professor S. E. ..... | Member, Geological Advisory Board, Anglo-Iranian Oil Company |
| Humphreys, Professor R. A..... | University Representative, Ninth International Congress of Historical Sciences, Paris |
| Jenkinson, Sir Hilary (Honorary Fellow) | Member, Master of the Rolls' Archives Committee |
| Jenks, Miss Mary (Former Student) | Associate, Royal Society of British Sculptors |
| Jones, Professor Daniel (Professor Emeritus) | Corresponding Member, German Academy of Science at Berlin |
| Kapp, Professor R. O. ..... | Professor Emeritus, University of London |
| Le Patourel, Professor J. H. (Former Reader) | Leverhulme Research Fellowship |
| Lockwood, Professor J. F..... | Dean, Faculty of Arts, University of London, 1950–52 |
| McKie, Dr. D. ..... | Vice-President, British Society for the History of Science |
| McLean, Professor R. C. (Former Student) | Member, National Parks Commission |
| Millen, Dr. D. J. ..... | Commonwealth Fund Fellowship |
| Moore, Mr. Henry (Visiting Teacher, Slade School) | Commissioned by Arts Council to provide new works for exhibition, Festival of Britain, 1951 |
| Neale, Professor J. E. ..... | Foreign Honorary Member, American Academy of Arts and Sciences |
| Normand, The Rt. Hon. Lord..... | Trustee, British Museum |
| Odey, Mr. G. W. (Former Student) | Conservative Member of Parliament for Beverley, Yorkshire (East Riding) |
| O'Donoghue, Professor C. H. (Fellow) | Member, Council of the Zoological Society |
| Pearsall, Professor W. H..... | University Representative and President of the Experimental Ecology Section, Seventh International Botanical Congress, Stockholm, 1950 |
| Penson, Professor Lillian M. (Fellow) | Honorary Degree of LL.D., University of St. Andrews |

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|---|---|
| Plucknett, Professor T. F. T. (Fellow) | Chairman, Master of the Rolls' Archives Committee |
| Rideal, Dr. E. K. (Former Research Student) | Professor of Chemistry, King's College, London |
| Salisbury, Professor Sir Edward J. (Fellow) | (i) Vice-President, Royal Society, 1950<br>(ii) Honorary Degree of LL.D., University of Edinburgh |
| Spencer, Mr. Gilbert (Former Student) | (i) Associate, Royal Academy<br>(ii) Member, Royal Society of Painters in Water Colours |
| Spencer, Mr. Stanley (Former Student) | Royal Academician |
| Taylor, Dr. F. Sherwood (Former Student) | Director, Science Museum |
| Thomson, Mr. J. F. ..... | Commonwealth Fund Fellowship |
| Underwood, Dr. E. Ashworth..... | (i) President, Section of the History of Medicine, Royal Society of Medicine<br>(ii) Foreign Member, Section of the History of Medicine, Swedish Medical Society<br>(iii) Honorary Fellow, Societa Italiana di Storia delle Scienze Mediche e Naturali<br>(iv) Honorary Fellow, Institute Brasileiro de Historia da Medicina |
| Vesey-FitzGerald, Professor S. G. (Former Professor) | King's Counsel |
| Vick, Dr. F. A. (Former Lecturer).. | Professor of Physics, North Staffordshire University College |
| Walker, Air Commodore W. J. G. (Former Student) | Honorary Surgeon to the King |
| Watson, Professor D. M. S..... | (i) Correspondent, Geological Society of America<br>(ii) Honorary Fellow, Royal Society of Edinburgh |
| Webster, Professor T. B. L. ..... | (i) President, Hellenic Society, 1950-52<br>(ii) Member, Vetenskaps-Societeten i Lund<br>(iii) Classical Association Representative, International Federation of Classical Societies, Paris, 1950 |
| Wheeler, Professor R. E. Mortimer (Fellow) | Petrie Medal |
| Whytlaw-Gray, Emeritus Professor R. W. (Fellow) | Honorary Degree of D.Sc., University of Leeds |
| Wilkinson, Dr. Elizabeth M..... | J. G. Robertson Prize, University of London |
| Willoughby, Professor L. A. ..... | (i) Professor Emeritus, University of London<br>(ii) Honorary Director, Institute of Germanic Languages and Literature |
| Wood, Mr. D. O. ..... | Dean, Faculty of Science, University of London, 1950–52 |
| Young, Professor F. G. (Fellow).... | Member, Medical Research Council |

# ACADEMIC STAFF AND WORK OF THE FACULTIES

## FACULTY OF ARTS

Professor G. J. Renier, Professor J. F. Lockwood and Dr. R. D. McLellan continued to hold office in the Faculty as Dean, Vice-Dean, and Sub-Dean and Faculty Tutor, respectively.

Miss H. Winifred Husbands, Dr. G. J. Kane and Miss Gertrude H. Keir have been granted Recognition as Teachers of the University, and Probationary Recognition has been given to Mr. T. J. B. Spencer.

The following were appointed members of the Faculty: Dr. Marian E. A. Bowley, Dr. Hilda M. Hulme, Mr. J. T. Pring, Mr. J. Wilks.

### ANTHROPOLOGY

Mr. J. A. Barnes took up his appointment as Lecturer in Social Anthropology at the beginning of the session, and Professor A. R. Radcliffe-Brown gave a course of special lectures during the first term. Mr. D. O. Arikpo and Miss Tanya M. Baker were appointed as Research Assistants. Miss Baker commenced in March last a period of field work among the Birom of the Jos Plateau in Nigeria.

The programme of courses has been generally similar to that for previous years, and intercollegiate arrangements with the Institute of Archaeology, the London School of Economics and the School of Oriental and African Studies have been continued. The department continued to participate in the special courses for and supervision of Colonial Service cadets, forty of whom attended in the department during the session.

Mr. H. A. Powell and Mr. D. P. Morton-Williams were awarded Horniman Studentships for research in the Trobriand Islands of the South Pacific and among the Yoruba of S.W. Nigeria respectively. Mr. D. Tait was appointed to a Research Lectureship in the Department of Social Sciences in the University College of the Gold Coast, Achimota, and has begun a study of the social organisation of the Dagombe and Konkomba peoples of the Northern Territories of the Gold Coast. Dr. J. J. Maquet and Mr. D. Biebuyck, whose studies and field work are being financed by the Institut pour la Recherche Scientifique en Afrique Centrale, have begun their field studies in the Belgian Congo. Mr. D. P. Gamble, Mr. M. G. Smith and Mr. W. B. Schwab, who held Colonial Service studentships, continued field research in British West Africa. Mr. J. B. Hughes was appointed Research Officer, Rhodes-Livingstone Institute, for field studies among the Ndebele in Southern Rhodesia.

During the session some extra accommodation became available in an adjoining house, 116 Gower Street, and will be ready for occupation in the session 1950–51.

## ARCHAEOLOGY

Mr. F. J. Richards has resigned the post of Honorary Lecturer in Indian Archaeology to which he was appointed in 1932.

An intercollegiate course of lectures on *Greek and Roman Art and Life* was delivered by Professor Robertson at the College during the first two terms of the session. In addition to Professor Robertson's lectures to students of the Bartlett School of Architecture, arrangements were made for students of the School to draw in the department's cast gallery.

The recently instituted special subject for the B.A. Honours in Classics, Greek or Latin, *Civilization in Greece 2000–600 B.C.—the archaeological material*, has attracted several students, and a class has been formed in it.

Further useful gifts to the teaching collection have been received from Miss Margaret Eyre.

## BARTLETT SCHOOL OF ARCHITECTURE

Two additions to the staff have been made by the appointment of Mr. G. A. Crockett as an Assistant in the School, and of Mr. W. J. Gloyn as a Visiting Teacher.

As in previous years lecturers who specialise in various branches of learning have been invited to give special lectures. Those delivered during the session were as follows:—*Ecclesiastical Architecture: Interior Church Furnishings* by the Reverend C. B. Mortlock; *George Dance the Younger* by Dr. Helen Rosenau; *Professional Practice* by Mr. S. Tatchell; and *Castles of the Middle Ages* by Mr. S. Toy.

The establishment of a course on the Preservation and Restoration of Historical Buildings, to commence in October 1950, will meet a demand and has aroused keen interest in many quarters; the Society for the Protection of Ancient Buildings and the Council for the Care of Churches are specially interested.

The students of the School have maintained a high standard of achievement. At a recent joint competition between British and French Schools of Architecture, the students of the School secured the first three places. Two of the students of the School, Mr. G. M. Rowland and Mr. A. J. Kaye were awarded special French Government Scholarships and are now studying in Paris. Mr. Rowland is carrying out research on cinema architectural settings and Mr. Kaye is specialising in design.

At the request of the University of Sydney, a selection of the students' work was sent for a special exhibition to serve as a model to architectural students in Australia.

The Division of Decoration, in spite of many handicaps due to lack of space and equipment, has extended its course on the practical side to include historical interior architectural design, and Mr. W. J. Gloyn has been appointed as a visiting teacher to supervise these studies.

During the session the students paid a number of organised visits to building sites and to factories, and thanks are due to the Imperial Chemical Industries management for allowing them to visit their Paint Works on two occasions in order to gain first-hand experience of the manufacture of paints.

## EGYPTOLOGY

During the session under review no changes have occurred either in the staff or the teaching of the department. The work of adapting a room for the purposes of the Museum, which was started during the year, is progressing satisfactorily. It is hoped, therefore, that it will be possible to start unpacking and classifying the Egyptian Collection and exhibiting some of it in the course of the next session.

Professor J. Černý spent the spring term in Egypt continuing his research work there mainly on the hieratic ostraca from Der al-Medina; at the same time Mr. A. J. Arkell worked at Khartoum, as Archaeological Adviser to the Sudan Government, on the publication of the results of the excavations of the neolithic site he carried out for the Sudan Government in 1949.

## ENGLISH

At the opening of the session Dr. A. H. Smith took up his appointment as Quain Professor of English Language and Literature, and Miss Rosemary A. Sisson joined the staff as an Assistant. Professor A. G. Mitchell resigned his appointment as Honorary Research Associate in December 1949, on his return to the University of Sydney. Mrs. Barbara G. Hardy, Mr. B. D. Greenslade, and Mr. P. G. Foote who was appointed in January 1950, have resigned their posts as Assistants: Mrs. Hardy on appointment to Birkbeck College, Mr. Greenslade on obtaining a post at Makerere College, East Africa, and Mr. Foote on appointment to the Department of Scandinavian Studies at the College. Mrs. Vivian G. Salmon has resigned her post as Assistant and Secretary to the department.

As in previous years, members of the department have contributed largely to the intercollegiate lectures in English, open to all Colleges of the University. Dr. Hilda M. Hulme gave four lectures in the autumn term on *The Literary and Linguistic Aspects of Local Records*, and Mr. T. J. B. Spencer eight lectures in the spring term on *Poetry and Painting*.

The course in Bibliography and Press-work, with the Elizabethan Press, has been re-established as a regular feature of the teaching in the department by Professor Smith and Mr. A. Brown, though under conditions of improvisation pending the allocation of a Press room. Two new Honours courses, an Introduction to Literary Studies and a Practical Course in Essay Writing, have been successfully instituted, upon the initiative of the teachers concerned, to meet outstanding needs.

The department has provided supervision of studies for a large number of postgraduate students, and it continues to attract students from other universities, and from overseas, of high quality and in quantity beyond its present resources.

The Elizabethan Press, rebuilt by Professor Smith, has now been partially equipped with type and furniture for purposes of elementary teaching. Full equipment must await the provision of a Press room.

A copy of the *New English Dictionary* has been acquired, and set up on a movable stand designed by Professor Smith and built by the Works department, for use as required in various rooms of the department.

The new edition of *Shakespeare* by Professor Sisson, with the co-operation of members of the staff, has continued to progress. Dr. Kane spent the Long Vacation at Ann Arbor, Michigan, to consult material for the Middle English Dictionary under preparation there, in connection with his work on *Piers Plowman*, which is approaching publication. Dr. Jenkins and Mr. Brown are engaged upon editions of texts to be published by the Malone Society, the former upon Chettle's *Hoffman* and the latter upon Redford's *Marriage of Wit and Science*.

## SLADE SCHOOL OF FINE ART

In October 1949, Mr. W. M. Coldstream took up his appointment as Slade Professor of Fine Art and Dr. R. Wittkower as Durning-Lawrence Professor of the History of Art. Mr. R. Nuttall-Smith relinquished the post of Departmental Assistant. He has continued to conduct the course on Perspective and has done further work in the School as a teacher of drawing.

During the session the following new appointments to the teaching staff were made: Mr. John Aldridge, Mr. Reginald Butler, Mr. B. A. R. Carter, Mr. R. B. Claughton, Mr. Andrew Forge, Mr. Lucien Freud, Mr. Patrick George, Mr. W. T. Monnington, and Mr. William Townsend. Mr. Norman Janes, who relinquished his appointment as Assistant at the end of the session had taught etching and engraving in the Slade School since 1936. His work was of great value to the School and he is affectionately remembered by many Slade students.

Of the two hundred and ten full-time students attending the School during the session, one hundred and eighty-eight were following the course leading to the University of London Diploma in Fine Art, twenty-five were spending a year working at the School after having gained their Diploma and the remainder were not following any set course. There were also seventeen part-time students attending on an average for two-and-a-half days each a week.

At the annual entrance examination held in January, two hundred and twenty-nine candidates applied for places in October 1950. Of these fifty-five have been accepted for admission, twenty-eight men and twenty-seven women. The average age of those entering the School will be nineteen years and six months. Most of the entrants will have spent between one and four years at other schools of art, but fifteen will come straight from secondary schools. Two students will come to the Slade School on British Council Scholarships; one from Australia and one from Mexico. Fifty of the entrants will follow the course leading to the University of London Diploma in Fine Art.

The system of inviting artists to come and teach in the School on from one to four occasions a term had proved so successful in former sessions that it was decided to extend it, and the following artists taught in the School during the session; Mr. Edward Ardizzone, Mr. John Buckland-Wright, Mr. Lynton Lamb, M. Fernand Leger, Mr. Henry Moore, Mr. Robert Medley, Mr. Victor Pasmore, Mr. John Piper, Mr. Claude Rogers, Mr. Graham Sutherland and Mr. Keith Vaughan.

In addition to giving his weekly lectures on the History of Art, Professor Wittkower has spent much time in teaching students individually and has held seminars. In February, Sir Kenneth Clark lectured to Slade students and other members of the College on *The Origins of Academic Drawing* and during the summer term Professor Blunt lectured on *Delacroix and England* and gave a series of five lectures on Picasso. Mr. Douglas Cooper and Mr. G. Frankl also lectured at the School.

At the opening of the session Professor Blunt kindly made available to Slade students the certificate course of lectures and other private lectures at the Courtauld Institute of Art and twenty Slade students attended courses there.

A room in the Slade School is being converted into a reading room, and another room has been equipped as a workshop in which students prepare canvases and panels, grind paints and do other technical work. To supervise the workshop the School has been fortunate in obtaining the services of Mr. Arthur Lucas of the Restoration Department of the National Gallery. Mr. Lucas lectures on the Materials and Methods of Painting, and gives practical demonstrations in the workshop on two evenings a week.

In June a generous offer of a gift was made by the executors of the

late W. Graham Robertson to found a travelling scholarship. It is hoped that this scholarship may each year allow a student of the Slade School to study abroad for a period of two months. A valuable gift of numerous drawings and etchings by Alphonse Legros was made to the School in November 1949 by Mr. J. F. Knowles, and recently Mr. John Rothenstein most kindly presented a fine drawing of Alphonse Legros by Sir William Rothenstein. During the summer term thirty-two drawings by Professor Schwabe were shown in the Staff Common Room. A number of these have been acquired by members of the staff of the College.

## FRENCH

Mrs. Ann M. Lowe, who was previously a research student in the department, was appointed to the newly created post of Research Assistant. Vacancies due to resignations were filled by the appointment of three Assistants: Mr. F. W. A. George, previously *lecteur d'anglais* at the University of Poitiers; Mlle. Agnès Glorieux, previously Assistant at the University of Glasgow; Mr. C. D. King, previously a research student in the department. Dr. Sibyl G. Hollins has had to relinquish her post as Assistant Lecturer for personal reasons; fortunately she will still be able to do a certain amount of tutorial work in the department.

In spite of accommodation difficulties, the proportion of tutorial work at the undergraduate level has been increased. The courses given for the special subjects have again attracted students from other London colleges.

There has once more been a noteworthy increase in the number of postgraduate students, and regular meetings of research students have been instituted. These meetings, which have been attended by both staff and students and by members of other colleges, have been a source of very valuable contacts. Interest in research among undergraduates is shown by the fact that nearly half of those graduating this year intend to proceed to higher degrees, either here or in France.

## GEOGRAPHY

The year has been marked by numerous changes in the staff of the department. On the retirement of Professor Fawcett, Professor H. C. Darby became Head of the department in October 1949. Mr. A. E. Smailes returned after a year as Acting Head of the Department of Geography at the Queen's University, Belfast, during the absence of Professor E. E. Evans. Dr. W. R. Mead and Mr. E. H. Brown have been appointed Lecturers, the former from a post in the University of Liverpool, the latter from one in the University College of Wales at Aberystwyth. Dr. Mead, however, has spent the greater part of the

year on a Rockefeller Fellowship investigating agricultural conditions in Finland. Mr. P. Wheatley has been appointed Assistant Lecturer, and Miss Helen Freestone, Research Assistant. Miss Constance P. M. Olsen resigned her lectureship at the end of the session on account of her marriage, and Dr. Emrys Jones has resigned to take up a lectureship at the Queen's University, Belfast.

The year has also been characterised by the transition from the old regulations to the revised regulations in Geography for the B.A.Honours degree and the B.Sc. (Special) degree; the last final examination under the old regulations was held in June 1950. A similar transition to the revised regulations for the degree of B.Sc. (Econ.) is also in progress and will not be completed until June 1951. The teaching of the department has been aided by special courses given by Professor R. O. Buchanan of the London School of Economics and Dr. H. C. K. Henderson of Birkbeck College. Intercollegiate lectures in Geography continue to be held at University College.

Apart from ordinary class excursions around London during term, field work was also carried on during the Easter vacation. A field week for third year students was held in the Central Plateau of France, and for second year students in the Cotswolds. An excursion for first year students was made to the Southampton district.

The map collection of the department has been increased by donations and purchases and now numbers over 20,000 maps.

Apart from the research work of individual members of the department, two co-operative projects of research are centred in the department. One is a large-scale enquiry into urban spheres of influence in Britain directed by Mr. Smailes with the support of committees of the British Association and the Geographical Association. The other is a geographical analysis of the Domesday Book which is proceeding under Professor Darby; the first of six volumes setting out the results is now with the Cambridge University Press.

## GERMAN

Professor L. A. Willoughby spent the autumn term of 1949 as visiting Professor to the University of Toronto. Under the auspices of the British Council he also paid visits to other Canadian universities; and, before returning to England in the new year, had the privilege of lecturing on Goethe in a number of American universities from Boston in the North to New Orleans in the South. Dr. E. M. Wilkinson acted as Head of the department during his absence. His retirement at the end of the session terminated his tenure of the Chair of German which has extended over a period of nineteen years, contributing to a long association with the College which began when he entered it as an undergraduate in 1902. He was elected Honorary Director of the newly founded Institute of Germanic Languages and

Literatures in the University of London until 1952. Dr. L. W. Forster, Lecturer in German in the University of Cambridge, was appointed as his successor at University College. The appointment of Mr. A. T. Hatto, generously loaned to the department by Queen Mary College to help with the mediaeval work in a difficult period of transition, terminated with the departure of Professor Willoughby. Mr. G. A. Wells was appointed to an assistant lectureship. Dr. W. Schwarz was granted leave of absence during the summer term in order that he might devote himself to his research work.

Several members of the staff of the department took part in the intercollegiate programme of lectures. The department had the advantage during the summer term of a three days' visit from Professor Barker Fairley, of Toronto, who conducted stimulating discussions with staff and students. Earlier in the term there had been visits from Professor Muschg of Basle and Professor Kohlschmidt of Kiel. The practice by which students in their second year attend a German-speaking university for the summer term was continued with great profit to them, and others were encouraged to attend holiday courses in the summer vacation. From now on students will be taking the new syllabus which comes into force in 1952.

Professor Willoughby and Dr. Wilkinson were invited to represent British scholarship in the preparation of a definitive edition of Goethe's works undertaken by the Deutsche Akademie der Wissenschaften.

## GREEK

Mr. A. J. Dunston and Mr. J. A. Willis took up appointments as Assistant Lecturers in Greek and Latin at the beginning of the session. Mr. A. P. Treweek, Senior Lecturer in Greek in the University of Sydney, was appointed Honorary Research Associate, and Mr. A. Cambitoglou, Honorary Research Assistant; both resigned their appointments at the end of the session.

Besides the normal degree courses, special courses in Greek were given for students of other departments, including students from the English, History and Philosophy departments. A special course was given in the spring term on Homeric Problems which was attended by about fifty students, including students from Bedford, Queen Mary and Westfield Colleges. Mr. E. G. Turner gave a course on the Palaeography of Greek Papyri at the Senate House during the first term which was attended by students and staff from this and other Colleges.

An exhibition of photographs illustrating Greek Drama was arranged for the meeting of the Classical Association in January.

Mr. Turner has purchased a special low-powered microscope for examining papyri. An exhibition case has also been arranged in the Foster Court building.

## HEBREW

The new part-time Assistant, Dr. E. J. Heller, who was formerly on the staff of Jews' College, has helped a great deal to meet the increased demands made on the department; so also has Dr. E. Wiesenberg who was promoted from his part-time appointment to a full-time lectureship in 1949.

Intercollegiate arrangements with King's, Queen Mary and Jews' Colleges and the School of Oriental Studies worked satisfactorily. Special courses on the history of Post-Biblical Literature were continued.

Subjects of research undertaken by postgraduate students have included studies of various mediaeval and renaissance scholars, editing of hitherto unknown or uncritically prepared texts, and an enquiry into Anglo-Hebrew scholarship in the Seventeenth Century. A weekly postgraduate seminar on mediaeval Jewish philosophy was held as in previous years.

## HISTORY

Two new members joined the staff: Mr. J. R. Morris as Lecturer in Ancient History, and Mr. R. H. Beevers as Assistant Lecturer in American History. Both were postgraduate students of the College. Mr. J. Crompton left the department at the end of this session to take a post at Oxford.

The introduction of the new syllabus for the B.Sc. (Econ.) degree has had a considerable effect upon the History Department, which now has to cater for a substantial amount of the work done by all students for the first part of the degree. It is the most important change in undergraduate teaching that the department has faced for many years, and while its full consequences cannot as yet be foreseen, it is bound to involve significant changes in the structure and character of the department. Otherwise, teaching has continued as in the past, with the staff contributing to the special courses arranged by the Board of Studies in History, with a full programme of public lectures at the College, and with a striking increase in the number of postgraduate students. The increase in the number of postgraduate students is a welcome and significant feature of the department's work, and the operation of the American Fulbright scheme promises still further developments. The seminar on Tudor History, for example, was attended by twenty-one students, a number of whom came from the United States and elsewhere abroad.

## ITALIAN

The intercollegiate arrangement with the Italian Department of Bedford College continues to function very satisfactorily. During

the summer term the department was visited by Professor G. P. Bognetti of the State University of Milan and Professor A. Perosa of the Institute of Advanced Studies (Scuola Normale Superiore) of Pisa.

Research in connection with mediaeval and Renaissance Italian literature has been carried out in the department by Professor Weiss and Mr. S. B. Chandler.

At the end of the session Mr. Chandler resigned his assistant lectureship in the department on his appointment as Lecturer and Head of the newly established Department of Italian at the University of Aberdeen.

## LATIN

The number of Honours students in the department has continued to rise until it has almost reached the maximum number possible under present conditions.

Research continues to be actively pursued in several fields of classical and mediaeval Latin; and, with the appointment of Mr. J. A. Willis to an assistant lectureship, mediaeval Latin is receiving special attention. Mr. A. J. Dunston was also appointed to an assistant lectureship at the beginning of the session.

A special word of praise is due to the scholarly production by the Classical Society of the *Mostellaria* of Plautus for a meeting of the Classical Association held at the College in January 1950. The producer, Miss Sheila Himmel, and Mr. E. W. Handley who gave expert assistance, along with the cast and numerous helpers behind the scene, thoroughly deserved the tributes paid to them by the Classical Association and the Press.

## SCHOOL OF LIBRARIANSHIP AND ARCHIVES

There have been no new appointments to the teaching staff during the session, except that Mr. J. A. Willis of the Latin Department took over the Mediaeval Latin course from Professor Lockwood.

The regulations for the Diploma in Librarianship have been amended so as to provide a separate examination on Special Library Administration, as an alternative to University or Public Library Administration. The subject, which was previously combined with University Library Administration for the purposes of the examination, now has an examination paper to itself, and a course of lectures covering the whole session.

The series of lectures given in the Easter Vacation Course 1948, has been published by the Library Association under the title *The Libraries of London*. The royalties arising from this book will be devoted to the foundation of a prize, to be called the Cowley Prize,

in memory of the late Director of the School. The prize, which will be in the form of books, will be awarded annually to the most distinguished student in Part III of the Librarianship Diploma Examination, for which a bibliography or thesis on an approved subject must be submitted.

## PHILOSOPHY

The staff of the department has been strengthened by the appointment of Mr. J. F. Thomson and Mr. J. L. Watling as part-time Assistants. Mr. Thomson has been awarded a Commonwealth Fund Fellowship and will be spending the session 1950–51 in the United States. Mr. S. N. Hampshire resigned his appointment as Lecturer at the end of the session to take up a Fellowship at New College, Oxford.

New courses have been introduced to meet the requirements of the new Honours syllabus, and very satisfactory progress has been made throughout the year.

The Philosophical Society has held regular meetings and has heard speakers from Oxford, Cambridge and elsewhere.

## PHONETICS

In October 1949 Mr. J. L. M. Trim was appointed to the staff of the department as Assistant Lecturer. Mrs. Hyacinth M. Davies, who has been on the staff since 1922, retired at the end of the session.

Teaching at the undergraduate level has continued very much on its former lines. Again a limit has had to be set to the number of foreign students accepted for courses in English phonetics, and there has been an increase in the number of students of Speech Therapy for whom courses are provided. A course in German phonetics, lasting throughout the session, has been instituted and has been attended by students of the College and of other Schools of the University. Two new certificate examinations have been added to those held in the department, one in Italian Phonetics and one in Experimental Phonetics.

The research work of the department includes, on the linguistic side, work on the dialects of Italian and modern Greek, on Spanish and Portuguese and on the history of English pronunciation. The Phonetics Laboratory has continued its collaboration with the National Institute for the Deaf, the Royal Ear Hospital and the Institute of Otology. A programme of work on measuring the performance of hearing aids for the deaf is nearing completion; the application of laboratory techniques to clinical practice in otology has been studied with particular reference to the phenomenon of " recruitment of loudness " and there has been further work on the provision of articulation

tests for use in deafness clinics. The laboratory has also begun work on a project designed to lead eventually to the provision of a " sound-coded " speech transmission system.

## POLITICAL ECONOMY

The department moved into its new quarters in No. 26 Gordon Square at the beginning of 1950, and the marked improvement in accommodation has been a source of great satisfaction to both students and staff. The Political Economy Library has been transferred to this building during the summer vacation, and the efficiency of the department should, in consequence, be further improved.

There have been few changes among the staff. One of the Research Assistants, Mrs. Pauline Silver, resigned early in the session for domestic reasons, and her place was taken by Mr. P. K. Newman, a former student of the department. Mr. P. Robson, another Research Assistant and also a former student of the department, left the College at the end of the session to take up an appointment as an Assistant Lecturer in the University of Sheffield.

Substantial changes have been necessary in the teaching of the department, because of the introduction of a new syllabus for the B.Sc. (Economics) degree. Under these regulations, the Intermediate examination has been abolished and candidates for the degree are required to take Part I of their examination at the end of their second year and Part II at the end of their third year. The new regulations came into effect at the beginning of this session. The department also took over at the beginning of the session the responsibility for the teaching of Applied Economics to Engineering students, and it has provided a course of lectures in Economic Statistics for students of the Statistics Department.

The research work of the department has developed considerably since the appointment of Research Assistants. An inquiry has been made into the comparative costs of alternative locations of industrial plants. This is part of a wider inquiry into location which is being undertaken by the National Institute of Economic and Social Research and the Board of Trade. The department has received a grant from the Board of Trade to assist in this work. British and other firms concerned with the Far East have provided information for an inquiry into the part played by Western enterprise in the economic development of certain Far Eastern countries, and Chatham House and the Institute of Pacific Relations are also giving help. A study of the structure of certain British industries is almost completed. A treatise on fundamental economic theory is likely to be completed during next session. Considerable progress has been made in a study of the economics of housing. In collaboration with members of the London School of Economics, inquiries of a statistical character are being pursued into

the problem of the elasticity of substitution in foreign trade. A study of the functions and nature of Development Councils and similar organisations is almost completed.

## PSYCHOLOGY

Professor Sir Cyril Burt retired at the end of the session after holding the Chair of Psychology for eighteen years. During this time there has been a marked increase in the number of students in the department, especially of postgraduate research students coming from abroad to work in the field of individual psychology which he has developed. In 1929 the total number of students was fifty-seven; in 1949 it had risen to two hundred and three. Professor Burt will be succeeded by Professor Roger W. Russell, of the University of Pittsburgh.

The number of applications for admission to courses in the department still continues to grow, but it has been considered advisable to restrict the number actually registered to about two hundred owing to limitations of staff and accommodation.

The staff was strengthened in October 1949 by the appointment of Miss Cecily de Monchaux, from the University of Melbourne, as a Lecturer, of Mr. A. Summerfield, a former student of the department, as an Assistant Lecturer, and of Dr. M. Hamilton, who had previously given assistance in the department, as a special part-time Lecturer.

Miss de Monchaux and Mr. Summerfield have taken over the bulk of the practical work in the laboratory for undergraduate students. The branch for child psychology, re-established after the conclusion of the war, has gained increasing recognition. The majority of researches carried out deal, as in previous years, chiefly with problems of differential psychology, particularly the mental differences between different individuals and different social groups. An increasing number are concerned with abnormal differences and especially with the psychological aspects of modern psychiatrical methods, such as the after-effects of pre-frontal leucotomy, the alleged value of temperamental tests in the diagnosis of psychoneurotic conditions, and the assessment of mental deficiency.

## SCANDINAVIAN STUDIES

The work of the department has continued to be satisfactory, thanks to the excellence and enthusiasm of the staff, the only impending change in the staff is consequent on Mr. C. A. Luttrell's resignation on his appointment to a post at Westfield College. His place as Assistant Lecturer in Old Scandinavian is being taken by Mr. P. G. Foote.

The department has recently moved into somewhat better accommodation at 98 Gower Street, but the Scandinavian Library is

not yet adequately housed, though it is expected that conditions will improve very considerably in the summer of 1951.

The most noteworthy development has been the continuation of splendid gifts to the Library by Denmark and Sweden. The enthusiastic and generous response to the Librarian's visit to Sweden calls for thanks to the highest degree, in particular for those who have made gifts, for Dr. Ahlström of the Swedish Institute who organised everything, and for the Librarian, whose untiring efforts are making this Library the best of its kind in the country; this is the first essential if it is hoped to attract postgraduate students.

## TOWN PLANNING

Mr. L. F. Baker joined the staff as Drawing Office Instructor on the resignation of Mr. J. D. M. Harvey early in the session, and it is with the greatest regret that the department has lost the services of Professor C. A. Hart who for many years lectured in the department on Surveying and Photogrammetry.

The part-time courses in Town Planning extending over three years were in full operation for the first time during the session, and in addition three students took the full-time Certificate Course. The number of full-time students is to be greatly increased next session, and a limit of twenty-four is being placed on the entry into each of the part-time courses leading to the Certificate and Diploma. The final part-time year is now being devoted to research and to a study of town planning administration.

The Town Planning Institute has approved the revised syllabus for the purpose of exemption from professional examinations.

Mr. G. P. Youngman has extended the courses in Landscape Design and will be taking a few students next session for an experimental full-time course, in which one year will be spent at Wye College.

A town planning survey of the central area of Lewisham was carried out by Mr. A. G. Ling and the Diploma students in association with the London County Council (Town Planning Department) and the Borough. Proposals were exhibited and discussed at the Housing Centre in May.

Architecture and Town Planning this year formed one of the subjects of the University of London Summer Vacation Course for graduates and teachers from the U.S.A. and overseas, and the department has assisted.

Two interesting subjects of research during the session have been a study of the changing condition of the Georgian Squares of London, and a study of the planning requirements of Civic Universities. A study of Car Parking and Building Control by the research students and staff of the department is also in progress.

## FACULTY OF LAWS

Professor G. W. Keeton was re-elected Dean of the Faculty, and Dr. G. Schwarzenberger, who became Vice-Dean, was succeeded in the office of Sub-Dean and Faculty Tutor by Dr. O. R. Marshall. Probationary Recognition as a Teacher of the University has been granted to Dr. Marshall, and Miss Susan Strange has been appointed a member of the Faculty. Professor Glanville L. Williams of the London School of Economics has been appointed to the newly-established Quain Chair of Jurisprudence. He takes up the appointment in October 1950.

The Faculty has been greatly strengthened by the appointment of Mr. R. Powell, formerly head of the Law Department at University College, Hull, to the newly established Readership in Law. He has undertaken full responsibility for the teaching in Roman Law in succession to Professor H. F. Jolowicz. The only other addition to the staff during the session was Mr. D. R. Payne, a former student, as Assistant Lecturer. Dr. J. M. Ganado resigned his assistant lectureship at the end of the session in order to proceed to a post at the University of Malta.

The new regulations for the LL.M. degree came into force this session, and the Faculty has played its full part in the provision of lectures and seminars for this degree. The number of postgraduate students registered in the Faculty has again shown an increase, and the number of those engaged in research for the Ph.D. degree was larger than ever before, the increase being particularly marked in the field of International Law. Mr. R. C. FitzGerald has been able to provide a course of lectures on Land Law for students in the Faculty of Engineering who are specialising in Surveying. Once again, the Faculty has provided a full course of lectures on Current Legal Problems, at which the attendance of former years has been fully maintained. The third volume of *Current Legal Problems* has now been published.

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## FACULTY OF SCIENCE

Professor W. H. Pearsall was re-elected Dean of the Faculty, Professor H. S. W. Massey continued to act as Vice-Dean, and Mr. D. O. Wood as Sub-Dean and Faculty Tutor.

The following were granted Recognition as Teachers of the University: Mr. N. A. Barnicot, Dr. C. A. Bunton, Dr. E. M. Crook, Dr. H. O. Hartley and Dr. A. Maccoll. Probationary Recognition was granted to Dr. J. W. Fox and Dr. D. J. Millen.

Dr. E. M. Crook, Dr. G. E. Fogg, Dr. R. J. Gillespie, Dr. L. Margaret Kerly, Dr. D. J. Millen and Mr. D. J. B. White were appointed members of the Faculty.

## BOTANY

The principal accessions of apparatus have been ultra-violet equipment for sterilising algal cultures, and apparatus for growing algae on a large scale in order to obtain estimates of their fat production.

A hut laboratory for teaching Experimental Botany has been erected and plans are being made to extend the work in Microbiology.

Field excursions have been made to Dorset and the Cairngorms.

Research has continued on aspects of Botany other than those mentioned above, both morphological and physiological.

## CHEMISTRY

The election of Dr. Kathleen Lonsdale to a Chair of Chemistry in the department is a fitting tribute to her distinction. After spending the preceding session in the United States, Dr. C. A. Bunton resumed work in the College, and has initiated new research. Dr. D. J. Millen has been awarded a Commonwealth Fellowship, and with this he plans to spend the session 1950–51 in the laboratory of Professor Bright Wilson in Harvard. The department has had the pleasure and benefit of association during the present session with Dr. J. F. Bunnett as Fulbright Professor.

Since his return in September 1949, Dr. Bunton has built and put into operation a mass spectrometer, for which generous provision was made by the Department of Scientific and Industrial Research. Dr. D. R. Llewellyn has completed the construction of his heavy-oxygen water still, which is based upon one developed by Professor Hughes, Dr. Dostrovsky and himself in Bangor, and is believed to be by far the most powerful still in existence. The installation of a Weissenberg camera constitutes an important addition to the equipment of the Crystallography section of the department under Professor Lonsdale. With the aid of a generous grant from the Central Research Fund of the University, a Cary Recording Spectro-photometer, the only instrument of its kind in the country, has been acquired and put into operation, thereby increasing the potential of the department for spectroscopic investigations.

## EUGENICS, BIOMETRY AND GENETICS

No changes in the staff during the session are reported, but Miss A. C. Elizabeth Suley left the department at the end of the session to join her husband in Nottingham. Mr. B. Goldberg, a Beaverbrook postgraduate scholar from New Brunswick, spent the year in the department doing research on *Drosophila*.

Lectures have been given on various branches of genetics and biometry, and a specially devised practical course was held for students taking Genetics for B.Sc. (Special) Zoology, the material used being *Drosophila melanogaster*, and illustrations from human material were given from time to time by Professor Penrose.

Dr. H. Grüneberg has continued his research on the inheritance of variations in the vertebral column of laboratory and wild mice, Dr. Helen Spurway on the hybridisation of several subspecies of newts, and Miss Suley has been conducting further investigations into maternally determined sterility in *Drosophila subobscura*.

### Galton Laboratory

The staff has been increased by the addition of Dr. Norma R. McArthur as Assistant Lecturer in Social Science (Demography) and Miss Ursula Mittwoch as Honorary Research Assistant. Dr. H. Kalmus, Lecturer in Genetics, spent the year at McGill University, Montreal.

Researches in progress during the session included identification and description of hereditary traits. Hair colour has been intensively studied using the technique of light reflectance: the distribution of measurements in the population at all ages is being investigated as a necessary preliminary to the interpretation of family data. The work on detection of metabolic peculiarities by chromatography, for which Dr. H. Harris is responsible, has been greatly extended. At the beginning of the session a serological unit, under the supervision of Dr. Sylvia Lawler, was started for the study of human blood antigens: there is a great demand for postgraduate teaching in this field. Collection of family material has continued and this includes now the study of twins from several aspects. Special attention is being given to the genetics of congenital heart disease. The detailed study of inborn errors of metabolism has been extended to cover phenylketonuria and cystinuria. Results of work on the hereditary background of diabetes have now been published. Special statistical analyses of problems of birth weight, prematurity and viability are being continued. Data on 13,753 births have been collected from the Maternity Division of University College Hospital. A preliminary account has been completed of the genetics of birth weight and gestation time and the relation of these variables to infant mortality.

*Annals of Eugenics* continues to be edited in the Laboratory though the purely business side of the work has been transferred to the Cambridge University Press.

## GEOLOGY

No change in staff has taken place during the session, but pressure of teaching work has been heavy owing to the absence of Dr. Chubb on sabbatical leave in Jamaica during the latter part of it. At the end

of the session Dr. Chubb resigned his senior lectureship on his appointment to the Geological Survey, Jamaica.

The demand for places for the B.Sc. (Special) Degree course has been higher this year than ever before. The total of seven research students including three from other universities has taxed the limited accommodation very severely, and made inroads on research time of the staff during term and during the vacation. Nevertheless, staff research activities have been fully maintained.

In the development of Field Class activities, Dr. R. G. S. Hudson, Honorary Lecturer in the department, has given invaluable help.

The impending partial demolition of the South Wing has necessitated provision for alternative space for teaching and research, and in 1951 the department will be dispersed to three different parts of the College.

## HISTORY AND PHILOSOPHY OF SCIENCE

The Board of Studies in the History and Philosophy of Science expressed their great satisfaction with the large number of applications for registration for the M.Sc. degree in 1950, with the diversity of their origins and with the wide range of subjects studied. There were twenty-two students, including twelve from other universities, California, Durham, Glasgow, Leeds, Manchester, New York, New Zealand, Oxford, Queensland and Teheran. The Board congratulated the Head of the department and his staff on the excellent work of the department.

Dr. A. C. Crombie again visited Italy during the Easter vacation to continue his researches into the theory of inductive science in the period between William of Occam and the Eighteenth Century. Dr. N. H. de V. Heathcote has been appointed editor of the *Bulletin of the British Society for the History of Science*.

## MATHEMATICS

Mr. H. T. Jessop, Senior Lecturer, has resigned from the department on account of his transfer to the Engineering Faculty as Reader in Photoelasticity. Mr. R. E. Holland, a graduate of the University of Wales, Bangor, has been appointed an Assistant Lecturer. His duties include the teaching of mathematics to Engineering students. Dr. R. L. F. Boyd and Dr. J. B. Hasted, Honorary Research Assistants in the department, both obtained I.C.I. Fellowships last summer and have continued to work in the department. Dr. T. C. Griffith, from the University of Wales, Aberystwyth, was appointed an Experimental Assistant from October 1949. Mr. F. C. Ledsham, Demonstrator, resigned to take up a post of Senior Scientific Officer in the Scientific Civil Service, and the vacancy was filled by the appointment of Mr. T. H. Richardson. Mr. L. E. Clarke was appointed a Temporary Assistant Lecturer for the session in place of

Mr. C. A. Rogers who was granted leave of absence to work in the States on a Commonwealth Fund Fellowship. The title of Reader was conferred on Dr. E. H. S. Burhop and Mr. H. Kestelman. Mr. D. R. Bates was granted leave of absence during the spring and summer terms in order that he might accept an invitation from the U.S. Naval Department to visit their research station at California and advise on certain non-secret research problems concerning the theory of the upper atmosphere.

An intercollegiate lecture course for B.A. Honours and B.Sc. (Special) degree students in Mathematics was given by Mr. Kestelman. The new arrangements for the teaching of advanced mathematics for engineers are gradually coming into operation and are proving satisfactory.

There were forty-three postgraduate students working in the department during the session. Seminars were run throughout the session on Theory of Numbers, Functions of a Real Variable, Geometry (jointly with King's College), Nuclear Theory, and Electronic and Ionic Phenomena. A Journal Club, to discuss recent publications, also met regularly. Several postgraduate lecture courses for research students were given.

Professor H. S. W. Massey resigned from the Goldsmid Chair of Mathematics at the end of the session, on his appointment to the Quain Chair of Physics, and the headship of the department passes next session to Professor H. Davenport, the Astor Professor.

## PHYSICS

In January 1950, Professor E. N. da C. Andrade resigned the Quain Chair of Physics, which he had held since 1928, on his appointment as Director in the Royal Institution, Resident Professor and Director of the Davy Faraday Research Laboratory, and Dr. R. E. Gibbs was responsible for the administration of the department during the spring and summer terms of the session. Professor Andrade will be succeeded in the Quain Chair in October 1950 by Professor H. S. W. Massey, formerly Head of the Department of Mathematics.

Other staff changes in the course of the session were as follows: Dr. C. Henderson, a former student of the department was appointed as an Assistant Lecturer in October 1949 and Dr. R. K. Eisenschitz left the College in order to become Reader in Theoretical Physics at Queen Mary College. Mr. R. King, Mr. A. J. Kennedy and Mr. G. C. Curtis resigned their appointments at the end of the session, Mr. King to take up an appointment as Assistant Director of the Davy Faraday Research Laboratory and Mr. Kennedy to become a Junior Research Fellow at the Royal Institution.

In connection with undergraduate teaching, the session was the first

in which the final year course of the new three-year degree course was given and examinations held for Part II of the B.Sc. (Special) degree in Physics.

Research in classical physics, in particular properties of metals and viscosity, has been continued.

## STATISTICS

Mr. D. R. Westgarth left the staff for a post with the National Coal Board; his place as Assistant Lecturer, primarily concerned with statistical problems of biological and medical research workers, was taken by Mr. N. W. Please, a former student in the department who had been one year as Assistant Lecturer at Leeds University. In addition, Miss Marjorie Thomas was appointed an Assistant Lecturer. Professor J. Neyman, of the University of California, has been present in the department for part of the session, giving a course of twelve advanced lectures. The title of Reader has been conferred on Dr. Florence N. David.

The B.Sc. (Special) degree course in Statistics under the new regulations commenced in October 1949. The transfer from old to revised regulations, including provision of ancillary courses in Statistics for students taking other main subjects, involves a number of additional problems for a rather short-handed staff, which it is hoped will be gradually smoothed out.

It has been impossible to continue the more elementary end-of-the-day course to extra-mural students, but Dr. H. O. Hartley has continued to give the more advanced course which again has been well attended.

A special course on the uses of statistical methods in Operational Research was organised from the department in the autumn term of the session, a number of specialists from outside contributing to the ten lectures. Over one hundred and sixty persons attended, and it was possible to assign a part of the sum received in fees to assist the launching of a new quarterly publication entitled *Operational Research Abstracts*.

Very good use has been made of the Hollerith equipment housed at the London School of Economics, to which the College has access for one-fifth of the time.

Research, mainly in problems in the theory of statistics, continues under a number of heads.

## ZOOLOGY

The staff of the department has been enlarged by the appointment of Dr. W. G. Kühne as a Lecturer and of Professor Emeritus Doris L. Mackinnon as an Honorary Research Associate.

Undergraduate teaching has continued without any important modification. Professor D. M. S. Watson gave an intercollegiate course of lectures on Fossil Vertebrates in the course of the session.

The Zoological section of the Library has been strengthened by the purchase of the Offprint library of the late Dr. Clifford Dobell, Protozoologist to the Medical Research Council, and his microscope has been added to the departmental equipment.

Members of the staff and research students working for higher degrees have continued to pursue research on many different lines.

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# FACULTY OF ENGINEERING

At the beginning of the session Professor H. E. M. Barlow and Professor B. J. Lloyd-Evans became Dean and Vice-Dean of the Faculty respectively, and Mr. H. Marriott has continued to act as Sub-Dean and Faculty Tutor.

Recognition as Teachers of the University has been granted to Mr. A. L. Cullen and Dr. E. A. Miskin. The following were appointed members of the Faculty:—Mr. B. C. Brookes, Mr. J. G. Capewell, Mr. E. H. Davis, Mr. R. H. Elvery, Dr. J. W. Fox, Dr. R. J. Gillespie and Mr. G. E. Kenshole.

## CIVIL AND MUNICIPAL ENGINEERING

Professor C. A. Hart left the Surveying and Photogrammetry group towards the end of the second term to take up his appointment as Vice-Chancellor at the new University, Roorkee, India. In October 1949, Mr. H. T. Jessop, Senior Lecturer, was transferred to the department from Mathematics and is now Reader in Photoelasticity. Mr. E. H. Davis, who was formerly Senior Scientific Officer in the Soils Section of the Road Research Laboratory, was appointed Lecturer in March 1950. Mr. R. H. Elvery, who had been previously an assistant at the Road Research Laboratory, lecturer in Structures at the Northern Polytechnic and Education Officer at the Cement and Concrete Association, was appointed Lecturer in February 1950. In June 1950 the department learned with great regret of the death of Mr. R. B. Hounsfield, who had been carrying out research in Traffic Engineering since 1947.

As regards undergraduate teaching in Surveying, intercollegiate arrangements have been made for the teaching of the Special Cartography Option for Final Honours and Special Geography in this Group. Arrangements have also been made for the field training of this class. In addition to the usual lecture courses on Structures for students taking Parts I and II of the B.Sc. (Eng.) degree and for Architecture

students, a new course of lectures on advanced theory of structures was provided for those taking Part III. The experimental study of structures now forms an important part of the undergraduate course. The provision of laboratory equipment for teaching at this stage has continued, much of the apparatus being designed and constructed in the College. During the past session the course of lectures on Traffic Engineering has been transferred from Part III to Part II for Civil Engineers. Lectures on Transport Aspects of Town Planning have been given to Town Planning Certificate students, and a dual model of Hyde Park showing existing and suggested roads has been constructed.

Apparatus for Surveying added during the session includes Wild short-base stereo cameras, Wild A4 plotting machine, S. O. M. Stereoscopic Testing instrument and a specially designed macro-photographic cradle and cameras. The re-equipment of the water filtration plant for Public Health Engineering which was damaged during the war is nearing completion. The 30,000 in-lb. Torsion Testing Machine from the Ministry of Supply has been adapted in the workshop and brought into use. A British Standard Mortar Cube Vibrator for cement testing has been procured, and a compacting Factor apparatus and a Wigmore Consistometer have been purchased for workability testing of concrete. The large sieving machine has been put into operation by the workshop and the concrete mixer is being fixed up. A new research vibrating table is being built in the workshop.

The following research in Surveying is being continued:— determination of precise aircraft heights using statoscopes and altimeters, barometric determination of ground heights using helicopters, investigation of the accuracies of stereoscopic plotting apparatus and the effects of distortions upon the precision of mapping using air photographs. Research is also being carried out on the development of photoelastic methods of investigation of three-dimensional stresses. In Public Health Engineering research is proceeding in the use of ultrasonics in water purification, with special reference to sedimentation of suspended matter. Three lines of research in Structures have been in progress throughout the session:—an experimental investigation into the behaviour of flat plates and slabs supported on flexible beams and subjected to concentrated loads normal to their surfaces, a mathematical investigation into the economics of beams, trusses and long-span girders and an experimental investigation into the creep properties of Perspex. A strain measuring device has been designed and constructed, and a series of preliminary tests completed in which pairs of tensile specimens have been observed when loaded under constant strain. Research in engineering materials has continued on the measurement of the workability of concrete compacted by vibration and on the effect of vibration on cement hydration.

## MECHANICAL ENGINEERING

The only changes in undergraduate teaching in the department have been those connected with the Suspense Year students. These classes have been brought into line with what is required for Part III of the B.Sc. (Eng.) degree examinations in 1951.

Considerable progress has been made in the erection of new internal combustion engines, a 40 h.p. oil engine presented by Messrs. Dorman, and a 40 h.p. Morris engine arranged to drive a supercharger presented by Messrs. Rolls Royce. A tank has been erected in the Hydraulics section for the study of wave action on beaches, and the model reaction turbine has been rebuilt to make it similar in arrangement to modern large power units.

Two researches have been brought to a conclusion this session: one on the leakage of gas through a labyrinth and the other on the characteristics of a propeller pump.

## ELECTRICAL ENGINEERING

Professor R. O. Kapp retired from the Pender Chair and relinquished the headship of the department at the end of the session, and will be succeeded by Professor H. E. M. Barlow. At the beginning of the session Mr. B. C. Brookes, who had for three years been a part-time Lecturer in the Presentation of Technical Information, was appointed to a full-time lectureship, and Mr. G. E. Kenshole to an assistant lectureship.

The undergraduate teaching of second and third year students has been based on the syllabus for Part I and Part II respectively of the revised regulations, and those who passed Part II this year will proceed to Part III of the revised regulations next year. Lectures on Applied Economics, specifically designed to meet the needs of Suspense Year students in Engineering, have been given in the Department of Political Economy and have been greatly appreciated by the students. Besides lecturing to the Suspense Year Electrical Engineering students, Mr. Brookes has given courses of lectures to postgraduate students from many departments in the College, to students from the City and Guilds College on an intercollegiate arrangement, and to a group of occasional students, consisting mostly of senior scientists who came from industrial firms, government establishments and consulting engineering. In addition to attendance at lectures each student in the class receives an individual tutorial session about once a fortnight. Under the general supervision of Professor Pearson, Mr. Brookes also gave a course in Statistics to the Electrical Engineering Suspense Year students.

At one end of the Junior Electrical Engineering Laboratory a mezzanine floor has been installed to provide additional accommodation for the use of the department, and a quantity of important apparatus has been acquired, some of which is for the equipment of the new Electronic Laboratory in which work will be started next session. Most of the

apparatus needed for current research has been manufactured in the departmental workshop, where also nearly all the repair work of the department has been done.

Research on the electrical breakdown characteristics of air has been continued and extended to other gases. This research has been conducted both in the frequency range of 1–20 megacycles per sec. and at about 4,000 megacycles per sec. The ionisation of gases immediately preceding breakdown is under special investigation. A grant from the R. W. Paul Fund of £1,000 a year for two years is being given by the Royal Society to support research on the measurement of microwave power by radiation pressure. This research is well advanced. Research has also been initiated on the application of stroboscopic technique to telegraph signalling. Research on the magnetic amplifier has been continued and has been developed on a device designed for high frequency excitation. An outcome of this further development has been a great improvement in the response characteristics of the magnetic amplifier, and particularly in its time constant.

## CHEMICAL ENGINEERING

There have been no changes in staff during the session and no major changes in undergraduate teaching. Special lectures have been given as follows:—*National Statistics for Production and Material Consumption in the Electrical Industry* (two) by Dr. R. W. Lunt, Honorary Lecturer; *Heterogeneous Equilibrium* (two) by Dr. F. A. Freeth, Honorary Lecturer; *Chemical Stoneware* by Mr. L. E. Shipley, Doulton and Co. Ltd.; *Some problems in Chemical Engineering encountered in Electronic Apparatus Manufacture* by Mr. L. S. Harley; *Historical Inventions—Curious and Otherwise* by Mr. O. E. Fletcher, I. C. I. (Metals); *The Detection of Radio-active Matter* by Mr. E. W. Pulsford, A. E. R. E., Harwell; *Automatic Control* by Mr. B.W. Balls, Foxboro-Yoxall Ltd.; *The Place of the Chemical Engineer in Gas Engineering* by Mr. J. T. Haynes, Southern Gas Board.

Visits have been paid to the following works during the session and the best thanks of the department are due to the Companies concerned for the facilities they afforded:—Messrs. G. A. Harvey and Co., Ltd., the General Electric Co., the Mond Nickel Co., Ltd., the Lafarge Aluminous Cement Co., Ltd., Messrs. F. W. Berk and Co., Ltd., the Research Station of the Anglo-Iranian Oil Co., the A. P. V. Co., Ltd., Messrs. Tate and Lyle, Ltd., the Associated Portland Cement Manufacturers' Association, the Atomic Energy Research Establishment at Harwell, Shellhaven Refinery, Messrs. Thomas Hedley and Co., Ltd., the Home Office Industrial Museum.

The thanks of the department are also due to the following Companies for allowing students to make measurements in their factories during the Easter Vacation:—Messrs. Thomas Hedley and Co., Ltd., Messrs.

Tate and Lyle, Ltd., British Industrial Solvents, Ltd., Herts Pharmaceuticals, Ltd., the South-Eastern Gas Board and the North Thames Gas Board.

Some progress has been made in re-equipping the department with apparatus of medium size, in particular a grinder and vibrating screen have been erected, and a Lodge-Cottrell precipitator and a glass climbing film evaporator have been constructed.

Research has been undertaken on:—drying by high frequency heating, the flow of solids materials through orifices, the catalytic oxidation of hydrocarbons, the design and performance of still packings, the mechanism of electrostatic precipitation, the mechanism of bubble formation, and the design of fractionation columns for high vacuum. The large column used for separating the isotopes of water has been in operation during most of the session. Much of this research work has been financed by the Anglo-Iranian Oil Co., Ltd., and the department is greatly indebted to the Anglo-Saxon Oil Co., Ltd., and British Celanese Ltd., for valuable contributions; also to Imperial Chemical Industries Ltd. for gifts of a variety of chemicals and plastics.

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## FACULTY OF MEDICAL SCIENCES

Professor J. Z. Young, Professor F. R. Winton and Dr. J. T. Aitken continued to hold office in the Faculty as Dean, Vice-Dean, and Sub-Dean and Faculty Tutor respectively.

Recognition as a Teacher of the University has been granted to Mr. M. Abercrombie, and the following have been appointed as members of the Faculty:—Mr. M. Abercrombie, Mr. N. A. Barnicot, Dr. R. E. Jennings, Dr. R. J. Gillespie, Dr. B. Katz, Dr. T. A. Quilliam, Mr. D. J. B. White and Dr. D. R. Wilkie.

A Visitation of the University was made to the Faculty in January 1950. The persons appointed by the Senate to act as Inspectors were: Professor J. D. Boyd, Professor A. W. M. Ellis, Professor A. Hemingway, Professor F. J. Nattrass, Professor Sir James Paterson Ross. They made a tour of all departments of the Faculty and met for discussion the Provost, the officers of the Faculty, Heads of departments and student representatives.

### ANATOMY AND EMBRYOLOGY

During the session Professor G. R. de Beer left the department to become Director of the British Museum (Natural History) and Dr. J. Joseph to take up a Readership in Anatomy at Guy's Hospital Medical School. Dr. D. B. Allbrook, Dr. L. H. Hamlyn and Miss M. Ruth Morgan, former students of the College, and Dr. G. W. Milton from Australia, were appointed Assistant Lecturers. Dr. Milton resigned his appointment in September 1950.

Besides the ordinary work of the department new methods of teaching have been vigorously pursued during the year, and in particular the use of special exercises in which the student has to solve a problem. These seem to have been much appreciated by the students and have led to good discussions afterwards.

The manual for use in the dissecting room and the neurology class has been further revised, and seems to provide a satisfactory basis for the work.

Construction of the museum has proceeded steadily. The department has acquired a micromanipulator and microforge, some new research microscopes and much photographic and electrical equipment, and a diathermy machine which is being used in experimental work on the cerebral cortex.

Grants have been given by the Nuffield Foundation for the prosecution of work on the central nervous system, on the application of electronics to neurology, and on the distribution of phosphorus in nerves. Dr. F. Roberts has already begun work under the first of these grants. A grant has also been given by the Nuffield Foundation for the prosecution of work in tissue culture and its application to Embryology. Dr. P. O. Bishop has left for Australia after four years' work in the department, leaving to the department the admirable oscillograph equipment that he has built.

All members of the academic and research staff have been actively engaged on many different lines of research in both Anatomy and Embryology. Professor J. Z. Young and Mr. B. B. Boycott have continued the investigation of the structure of the brain in relation to learning processes, particularly in cephalopods, and a film has been made to illustrate this work, the photography being done by Mr. F. J. Pittock.

Work by Dr. J. T. Aitken, Mr. D. A. Sholl, Dr. S. Mitra and Miss Cecillie M. B. Blockley on the structure of the cerebral cortex has proceeded along several lines. Dr. Aitken has continued with Dr. Allbrook his work on the reinnervation of muscle. Mr. M. Abercrombie has continued work on tissue culture techniques, and has obtained interesting results from the use of cinematographic recording methods. He has also been successful in applying the use of isotopes to the problem of the study of morphogenetic movements; with Dr. R. D. Harkness of the Physiology Department he has been studying regeneration of liver. Dr. G. Causey, Dr. Milton, Mrs. Elisabeth Palmer and Dr. G. Werner have worked on the problem of the trophic maintenance of the structure of nerve fibres and the early stages of nerve degeneration. Dr. D. H. Lodwick Evans has continued his work on the visceral nervous system and is collaborating with Mr. A. D. Vizoso in a study of the relative sizes of axon and myelin sheath in nerves. Dr. T. A. Quilliam and Dr. G. D. H. Shawe are studying the numbers and course of maturation of nerve fibres during nerve regeneration. Dr. D. W. James has

investigated the problem of the course of regeneration of tendons. Dr. R. H. Hardy has continued work on structure and function of the foot, with special reference to certain of the more common pathological conditions of the foot. The Rockefeller Foundation have continued to support the investigations of Dr. Minnie L. Johnson into methods of selection and training of medical students. Special attention has been paid recently to follow-up of students, with emphasis on their examination results. Dr. V. S. V. Fernand and Mr. A. Hess completed their work on the innervation of muscle and the Nodes of Ranvier in the nervous system respectively.

## BIOCHEMISTRY

Following the resignation of Professor F. G. Young in 1949, Dr. F. L. Warren acted as Head of the department during the autumn term. Dr. E. H. F. Baldwin of the University of Cambridge was appointed to the Chair in January 1950. The title of Reader has been conferred on Dr. L. Margaret Kerly. Mr. J. H. Ottaway was appointed Assistant Lecturer in October 1949, and at the end of the session the lectureship resigned by Dr. J. C. Laidlaw on his return to Canada has been taken by Miss Kathleen Law. Miss Geneviève M. Audy was appointed Assistant Lecturer from April 1950.

There has been no change in undergraduate teaching, but the Tiselius apparatus and the ultra-centrifuge are in the process of installation.

Research in the department is continuing along its former lines. It is hoped that work in the field of comparative biochemistry will be developed in the near future.

## PHARMACOLOGY

Dr. Mary F. Lockett left the department in April 1950, on her appointment to a senior lectureship in Pharmacology at Glasgow. Her place will be taken next session by Dr. S. E. Dicker, who comes from the Pharmacology Department in Bristol where he has made important advances in the study of renal function. The department has had the misfortune of being deprived of the services of Dr. H. O. Schild and Dr. D. W. Kennard for large parts of the session on account of illness. The former is happily restored, and the latter is expected to return in October.

The section of the practical class in Pharmacology devoted to the study of the action of drugs on normal medical students, which has been developing for the last decade or so, achieved a conspicuous success during the session when Dr. A. Wilson and his team of demonstrators were able to present to the British Pharmacological Society a quantitative analysis of the actions of a number of analgesics and other drugs acting on the nervous system. This was recognised as an important contribution to teaching technique, since the class as a group gained experience of

carefully controlled quantitative pharmacological investigation on man, and the results of the investigation itself also provided interesting new information.

Research activities in the department have included development of work on the kidney mentioned in previous reports, and investigations on the inhibitors of the cholinesterase enzyme system in connection with neuro-muscular transmission. Observations on acetylcholine and water metabolism in relation to liver disease are in progess in connection with the Medical Unit at University College Hospital, the actions of drugs on the human uterus are being studied in conjunction with the Obstetric Unit at the Hospital, and quantitative measurements on drugs active on bronchial muscle of the guinea pig and man are being performed in conjunction with the Surgical Unit at the Hospital. There has also been an interesting development of the work on the distribution and mechanism of the release of histamine in the body and the related effects of anti-histamine drugs. Important and rather disturbing work on the action of sympathomimetic amines on sympathectomised and on adrenalectomised animals was transferred when Dr. Lockett left for Glasgow, but related work on similarly operated animals is still in progress in connection with the sensitivity of the uterus and other muscles to various drugs.

## PHYSIOLOGY

Professor G. L. Brown, who was appointed to the Jodrell Chair of Physiology on the retirement of Professor Lovatt Evans, assumed the headship of the department in October 1949. Dr. J. del Castillo-Nicolau, formerly of the University of Salamanca, joined the staff as Temporary Assistant Lecturer. Dr. D. R. Wilkie returned from military service in the course of the session. Mr. J. M. Ritchie and Miss Brenda Bigland have been working as Honorary Research Assistants in the department on grants from the Medical Research Council. Dr. O. C. J. Lippold has been on leave of absence for military service throughout the session, his place being taken by Miss Barbara Jehring. At the end of the session Dr. L. E. Bayliss gave up his full-time post as Reader in order to devote himself to the production of a new edition of *Principles of General Physiology*.

There have been no important changes in undergraduate teaching. Tutorial classes have been introduced to ensure closer touch between staff and students, and this appears to be successful from the point of view of both staff and students.

An attempt is being made to introduce modern electronic equipment for the measurement of small electrical changes in living tissue, in which the department is gravely deficient.

There has been a considerable increase in the department's research activity. Neuromuscular physiology is developing and six members of

the department are now actively engaged in this work. Dr. B. Katz, who is joining the department in 1950-51 as Reader in succession to Dr. L. E. Bayliss, is developing techniques and building a team for the furthering of the neurophysiological work which he has been doing in the Biophysics Research Unit. Dr. A. Schweitzer and Dr. M. de B. Daly are investigating the circulatory and pulmonary reflexes arising from sensitive zones in the vascular system. Dr. Bayliss is investigating the flow of blood in small tubes to obtain information influencing the haemodynamics of the capillary blood vessels. Dr. M. Grace Eggleton and Dr. Y. A. Habib are continuing their investigations of renal function, and Dr. R. D. Harkness and Dr. V. Ferrari their work on the processes controlling the regeneration of the liver after partial removal. Mr. G. W. Cambridge, Bayliss-Starling Scholar, after recovery from a serious illness, has started his work on the synthesis of acetylcholine in animal tissues.

## Biophysics Research Unit

Mr. G. P. Burn and Mr. J. M. Ritchie left the Research Unit, the former to return to Oxford, the latter to join the Physiology Department. Mr. D. K. Hill has been working with the Unit until his laboratory at the British Postgraduate Medical School at Hammersmith is constructed. Dr. X. M. J. Aubert left the Unit at the end of the session on his return to Louvain.

There is no teaching in Biophysics, but several members of the staff have taken part in courses arranged by the Departments of Physiology and Biochemistry.

No special equipment has been purchased, but a galvanometer of extreme sensitivity has been constructed by Mr. A. C. Downing and was exhibited at the May Soirée of the Royal Society.

Professor A. V. Hill continued his work, in collaboration with Mr. B. C. Abbott and Dr. X. M. J. Aubert, on the mechanics and energetics of muscle. Dr. B. Katz has been studying the membrane potential of sensory nerve endings and, with Dr. P. Fatt, the depolarization produced by acetylcholine at the motor endplate region of skeletal muscle. Dr. E. J. Harris has continued his study of the transfer of ions between the inside of cells and the surrounding medium.

# UNIVERSITY HONOURS

## (i) *Higher Degrees*

| Degree | Subject | Name of Successful Candidate from University College |
|---|---|---|
| *Faculty of Arts* | | |
| Ph.D. | Classical Archaeology | Cambitoglou, A. |
| | English | Culliford, S. G. |
| | French | Wardman, H. W. |
| | History | Beasley, W. G. |
| | Psychology | Bhandari, L. C. |
| | | Crawford, Agnes |
| | | McKellar, T. P. H. |
| | | Robertson, J. P. S. |
| | | Sandler, J. J. |
| | | Shields, R. W. |
| | | Wrigley, C. F. |
| M.A. | Architecture | Baker, L. F. |
| | English | Allum, Jeanne |
| | French | Macpherson, Alexina L. |
| | German | Jenkins, Sylvia P. |
| | | Salmon, P. B. (Mark of Distinction) |
| | | Wells, G. A. |
| | History | Beevers, R. H. |
| | | Hughes, Alison M. |
| | | McDermott, E. J. |
| | | Miller, Helen J. |
| | | Parsloe, C. G. |
| | Philosophy | Elderton, Doreen H. |
| | | Scialom, D. |
| | Psychology | Sinha, Uma |
| *Faculty of Laws* | | |
| Ph.D. | | Cheng, B. |
| | | Ganado, J. |
| *Faculty of Science* | | |
| D.Sc. | Pharmacology | Schild, H. O. |
| | Physics | Davies, C. N. |
| Ph.D. | Anatomy | Hess, A. |
| | Biochemistry | Audy, Geneviève M.C.A.A. |
| | | Cotes, Phoebe M. |
| | | Laidlaw, J. C. |
| | | Salem, H. M. |
| | Biophysics | Fatt, P. |
| | Botany | Curtis, Winifred M. |
| | | Mayer, A. M. |
| | | Stant, Margaret Y. |
| | Chemical Engineering | Norman, W. S. |
| | Chemistry | Abou-El-Amayem, M. E. S. |
| | | Agius, P. J. |
| | | Anantaraman, R. I. |
| | | Austin, A. T. |
| | | Broadbank, R. W. C. |

| Degree | Subject | Name of Successful Candidate from University College |
|---|---|---|
| Ph.D. (*cont.*) .... | Chemistry (*cont.*) .... | Calderbank, P. H. |
| | | Davenport, D. A. |
| | | Davies, A. G. |
| | | Easty, G. C. |
| | | England, B. D. |
| | | Gillespie, R. J. |
| | | Goddard, D. R. |
| | | Goulden, J. D. S. |
| | | Hirst, J. |
| | | Meigh, D. F. |
| | | Nyholm, R. S. |
| | | Pani, S. |
| | | Prestt, Brenda M. (Mrs.) |
| | | Salmon, J. E. |
| | | Whittingham, D. J. |
| | | Wood, J. L. |
| | Civil Engineering .... | Miskin, E. A. |
| | Crystallography ..... | Ahmed, M. S. |
| | Genetics (Zoology) .. | Fang, T. |
| | Geography ..... | Ghori, G. K. |
| | History and Philosophy of Science | Hamilton, S. B. |
| | Mathematical Geography | Wassef, A. M. |
| | Mathematics ..... | Blaney, J. H. |
| | | Borwein, D. |
| | | Dawoud, R. H. |
| | | Hsu, K-N. |
| | | Isaacs, G. L. |
| | Physics ..... | Bransden, B. H. |
| | | Dobbs, E. R. |
| | | Halberstadt, E. S. |
| | | Henderson, C. |
| | | Jennings, R. E. |
| | | Kennedy, A. J. |
| | | Randall, R. F. Y. |
| | | Sinclair, Charmian C. R. |
| | Physiology ..... | Habib, Y. A. |
| | Plant Genetics ..... | Mittwoch, Ursula |
| | Psychology ..... | Barakat, M. K. |
| | Zoology ..... | Ellis, Peggy E. |
| | | Morgan, Madeline R. |
| M.Sc. ..... | Biochemistry ..... | Anderson, A. J. |
| | | Ashby, J. H. |
| | | Charles, A. O. T. |
| | | Hoare, D. S. |
| | | Overell, B. G. |
| | | Rees, K. R. |
| | | Walker, D. G. |
| | Chemistry ..... | Greenstreet, C. H. |
| | History and Philosophy of Science | Bick, Yadviga A. |
| | | Brown, Eileen M. L. |
| | | Carr, Margaret E. J. |

| Degree | Subject | Name of Successful Candidate from University College |
|---|---|---|
| M.Sc. (*cont.*) .... | History and Philosophy of Science (*cont.*) | Chaldecott, J. A. |
| | | Davey, P. C. |
| | | Moss, C. T. |
| | | Reynolds, J. J. |
| | Mathematics ..... | Belsher, Violet M. |
| | | Cole, A. J. |
| | | Craven, A. H. (Mark of Distinction) |
| | | Goode, J. L. |
| | | Moore, W. J. |
| | | Pass, E. |
| | | Wankling, V. A. |
| | Psychology ..... | Bradshaw, J. (Mark of Distinction) |
| | | Chattopadhyay, A. |
| | | Sinha, C. P. |
| | Statistics ..... | Cook, Muriel |
| | | Somasundram, S. J. |
| *Faculty of Medical Sciences* (Non-Clinical) | | |
| Ph.D. ..... | ..... | Fernand, V. S. V. V. |
| *Faculty of Engineering* | | |
| D.Sc. ..... | ..... | Hart, C. A. |
| Ph.D. ..... | Chemical Engineering | Fowler, R. T. |
| | | Frost-Smith, E. H. |
| | | Mylonas, C. |
| M.Sc. ..... | ..... | Andren, C. I. P. |
| | | Nabi, G. A. |
| | | Reed, L. E. |
| *Faculty of Economics* | | |
| M.Sc. ..... | ..... | Poplawska, Jolanta M. |
| | | Reddi, O. V. |

## (ii) *University Scholarships, Studentships and Medals*

1950 *Awards*

| | |
|---|---|
| Derby Studentship in History ..... | Evans, D. G. |
| Granville Studentship in Physics ..... | Redhead, M. L. G. |
| Hoover Postgraduate Studentship ..... | Hochberg, S., |
| Arthur Platt Studentship in Classics ..... | Price, P. I. |
| George Smith Studentship in English for Internal Students (and book prize of the value of £5).. | Herbert, A. J. |
| University Studentships: | |
| Anthropology ..... | Bradbury, R. E. |
| Architecture ..... | Peto, M. J. |
| Economics ..... | Crick, B. R. |
| Engineering ..... | Lawson-Hall, G. |
| English ..... | Hussey, S. S. |
| Fine Art ..... | Thoburn, Patricia A. |
| Geography ..... | Mansfield, A. J. |

| Award | Name of Successful Candidate from University College |
|---|---|
| **University Studentships:** (*cont.*) | |
| Germanic Languages (Dutch) | King, P. K. |
| (German) | Subiotto, A. V. |
| History | Bolam, D. W. |
| | Parish, P. J. |
| Romance Languages (French) | Lord, Brenda E. |
| | Watson, D. H. |
| **University Postgraduate Studentships:** | |
| Architecture | Woffenden, H. G. |
| Classics | O'Donnell, C. M. L. |
| English | Palmer, K. J. |
| French | Burns, C. A. |
| | Fynn, Sheila M. |
| Hebrew | Miller, D. |
| History | Johnson, J. A. |
| Zoology | Fox, H. |

# SUMMARY OF EXAMINATION RESULTS

## I. Degree Examinations

| | Inter. and 1st and 2nd Medical | Bachelor | | Master | Ph.D. | Higher Doctorate | Faculty Total |
|---|---|---|---|---|---|---|---|
| | | Pass | Hons. | | | | |
| **Arts** | 19 | 9* | 141 | 13 | 11 | — | 193 |
| ,, (Architecture) | 17 | 12 | 5 | 1 | — | — | 35 |
| **Laws** | 60 | 14 | 27 | — | 2 | — | 103 |
| **Science** | 42 | 45† | 96‡ | 27 | 55 | 1 | 266 |
| **Economics** | | 8 | 30 | 2 | — | — | 40 |
| **Engineering** | | 11 | 4 | 3 | 3 | 1 | 22 |
| **Chemical Engineering** | | 5 | 6 | | | | 11 |
| **Medicine:** | | | | | 1 | — | 1 |
| Inter. Science | 9 | | | | | | 9 |
| 1st Medical | 1 | | | | | | 1 |
| 2nd Medical | 58 | | | | | | 58 |
| | 206 | 104 | 309 | 46 | 72 | 2 | 739 |

* General Degree
† 30 Special; 15 General
‡ 94 Special; 2 General

II. Diploma and Certificate Examinations

| | Diplomas | | Certificates | |
|---|---|---|---|---|
| Arts | Anthropology | 1 | Architecture | 29 |
| | Archaeology | 2 | Decoration | 5 |
| | Architecture | 22 | Phonetics | 26 |
| | Archive Administration | 7 | Town Planning | 17 |
| | Fine Art | 51 | | |
| | Librarianship | 27 | | |
| | Phonetics | — | | |
| | Psychology | 4 | | |
| | Town Planning | 19 | | |
| Engineering | | 15 | | |
| Chemical Engineering | | 9 | | |
| | | 157 | | 77 |

# THE LIBRARY

During 1949–50 encouraging progress was made in the plans for providing Library accommodation to replace the buildings destroyed during the war. By the end of the session the General Library had been restored and a temporary library for History and Political Economy provided in the building occupied by those departments in Gordon Square; these libraries have a capacity of 30,000 volumes and 35,000 volumes respectively. The transfer of books to these two libraries has made possible the conversion of one of the temporary reading rooms in Foster Court into a small ancillary bookstack to serve those Arts subjects which must remain there for the present. The opening of the two new libraries increases the total accommodation for readers to some 400 seats.

Work is proceeding on the central Main Building and the North Junction. The upper floors of the central Main Building are to be shared initially between the Library and the Faculty of Arts; as a result of this temporary arrangement there will be seven Arts reading rooms in the central main building instead of sixteen as originally planned. In the North Junction a Science Library with two reading rooms, each with a gallery, has been planned to serve the Mathematical and Physical Sciences.

Meanwhile, approval has been given in principle to the Library Committee's plan for an entirely new Library to be built on the site now occupied by the gymnasium and extending to Gordon Square. It is estimated that a new Library on this site can provide a bookstack for 800,000 volumes, and some thirty reading rooms providing for

700 seats and 160,000 volumes, which are intended to serve Arts, Laws, and the Biological and Medical Sciences.

There was a sharp rise in the number of accessions during the session; 9,435 volumes and 4,237 pamphlets were added to the Library, bringing the total book stock up to 564,453 items. This increase is attributable in part to considerable gifts, but it reflects also the steadily improving conditions in the book trade and the relaxation of the import restrictions on American publications. The expenditure on books, periodicals, binding and equipment amounted to £11,640, of which some £1,000 is due to the increased cost of books and periodicals from dollar countries following the devaluation of sterling.

The Librarian visited both Denmark and Sweden to procure books and periodicals to make good the loss during the war of the Scandinavian Studies library. He found in both countries a warm sympathy with the College in its anxiety to re-establish this library and to develop it as the recognised centre in London for studies on all aspects of Scandinavian life and thought; and he came back with promises of money and books generously given by publishers, individuals and learned institutions in those countries. Three of these gifts are acknowledged with particular gratitude: one of £500 from the Anglo-Swedish Literary Foundation for the purchase of the classics of Swedish literature, a grant of 3,000 *kr.* from the Swedish Ministry of Education for the purchase of books on Swedish history and economics, and a gift of books to the value of 1,000 *kr.* by the Svenska Bibliotekariesamfund fund to assist war-damaged libraries.

In addition, the Library has received a collection of over 800 volumes on Latin-American history from the bequest to the University of Professor C. H. Huberich, and books on American history and on scientific subjects generously presented by donors in the United States through the Co-operative for American Remittances to Europe. The Library has also been enriched during the session by gifts both from members of the College and from others; it would be invidious to single out individual gifts for special mention. The College Committee acknowledges all these gifts with gratitude.

The College has learnt with pleasure of the generous intention of Professor J. R. Partington to bequeath to the Library his valuable collection of books on the history of chemistry which, when added to those of the Graves Library already in the College, will form an unrivalled collection in the history of science. The name of Professor R. W. Chambers, a former librarian of the College, will be perpetuated by the institution of the Chambers Rare Books Fund, founded under his will, the income of which is to be placed at the disposal of the Librarian for the purchase of rare books and manuscripts for the College Library.

The Library has purchased a valuable collection of some 5,000 offprints in the field of protozoology, collected by the late Dr. Clifford

Dobell, F.R.S.; its acquisition greatly strengthens the resources of the Department of Zoology but, owing to the acute shortage of library accommodation, this collection, like the palaeontological library of Sir Arthur Smith Woodward, must remain in the department for the present. During the session the Library has been able to fill almost all the wartime gaps in its German periodicals.

The agreement with the London Mathematical Society has been renewed whereby the Library of that Society remains deposited in the College Library and the College has accepted with gratitude a gift from Mrs. Lake Barnett for the upkeep of a Coote-Lake folk-lore room to house the library of the Folk Lore Society which has been deposited in the College Library since 1911.

During the session 30,852 volumes have been borrowed from the College Library. Despite the fact that a large proportion of the book stock remains inaccessible owing to the shortage of accommodation, the Library has been able to lend 833 volumes to other libraries, whilst it has found it necessary to borrow only 594 volumes from elsewhere. As an experiment in connection with the provision of evening meals in the Refectory, the Library has remained open until 9 p.m. on weekdays in term; but the numbers using the Library after dinner did not justify the extended hours of opening.

The accumulation of arrears of binding during and since the war gives cause for concern, and the position has been aggravated during the session by the large number of unbound books received from abroad. The binding of periodicals still takes a long time and is costly.

## PUBLIC LECTURES

Public Lectures in the evening and in the lunch-hour were arranged during the session 1949–50. The aggregate attendance amounted to 17,600 and exceeded by more than 2,000 the figure for the previous session.

A list of the lectures is given below:—

*Special Lectures*

*Seton Memorial Lecture*

| | |
|---|---|
| Rev. Professor M. D. Knowles of the University of Cambridge | " Un Novello Pazzo: The teaching of St. Francis on Religious Obedience and Poverty " |

*Rickman Godlee Lecture*

| | |
|---|---|
| Mr. A. E. Popham, Keeper of Prints and Drawings, British Museum | " Collectors and Collections of Drawings " |

*Shearman Memorial Lectures*

| | |
|---|---|
| Professor Alfred Tarski of the University of California | " Fundamental Ideas and Problems in Meta-Mathematics " (Four lectures) |

*Galton Lecture*

| | |
|---|---|
| Professor Sewall Wright of the University of Chicago | "The Genetical Structure of Populations" |

*Inaugural Lectures given by newly appointed Professors*

| | |
|---|---|
| Professor E. H. F. Baldwin, Professor of Biochemistry | "The Biochemical Approach to Biological Organization" |
| Professor G. L. Brown, Jodrell Professor of Physiology | "Chance and Design in Physiological Research" |
| Professor H. C. Darby, Professor of Geography | "Domesday Geography" |
| Professor Kathleen Lonsdale, Professor of Chemistry | "Facts and Fancies about Crystals" |
| Professor A. H. Smith, Quain Professor of English Language and Literature | "*Piers Plowman* and the Pursuit of Poetry" |
| Professor R. Wittkower, Durning-Lawrence Professor of the History of Art | "The Artist and the Liberal Arts" |

*Lunch-Hour Lectures*

| | |
|---|---|
| Mr. A. J. Arkell | "Excavating in the Sudan" |
| Professor A. J. Ayer | "Truth" |
| Dr. C. R. Bailey | "Rockets" |
| Mr. S. T. Bindoff | "University College London and the 'Historical School' of Political Economy" |
| Mr. R. Browning | "History and Romance in the Roman Empire" |
| Professor H. C. Darby | "Thomas Hardy's Wessex" |
| Professor G. R. de Beer | "Embryos and Ancestors" |
| Mr. P. Denes | "New Techniques in the Measurement of Hearing" |
| Dr. G. E. Fogg | "Weeding with Chemicals" |
| Mr. A. M. Foyle | "Architecture in Nigeria" |
| Mr. D. J. Furley | "Greek Sceptics and Stoic Dogma" |
| Mr. D. C. Hague | "Economic Problems of the Welfare State" |
| Professor J. B. S. Haldane | "Some Modern Views on Evolution"<br>"The Use and Abuse of Statistics" |
| Mr. S. N. Hampshire | "Spinoza: A Metaphysical System" |
| Mr. L. C. Hector | "Fashions in Forgery" |
| Dr. J. Joseph | "The Human Thumb" |
| Dr. G. J. Kane | "The Man in the Moon: the Middle English Secular Lyric" |
| Miss Gertrude H. Keir | "The Development of Child Guidance" |
| Dr. D. McKie | "Newton and Alchemy" |
| Dr. C. P. Magill of King's College, London | "Austrian Comedy" |

| | |
|---|---|
| Mr. D. R. Newth | " Eggs " |
| Mr. J. T. Pring | " The Erotokritos: A Modern Greek Epic " |
| Professor G. J. Renier | " The Philosophy of History " |
| Professor C. M. Robertson | " Vase-Painting in Ancient Athens " |
| Dr. D. M. Ross | " Animals without Locomotion " |
| Mr. A. E. Smailes | " Town and Region " |
| Mr. H. Tout | " The State and Private Enterprise " |
| Professor R. Weiss | " A New Chapter of Petrarch's *Trionfi* " |
| Mr. R. C. White-Cooper | " Chateaux of the Loire " |
| Dr. E. Wiesenberg | " The Pharisees " |
| Dr. Elizabeth M. Wilkinson | " The Discipline of Literary Criticism " |
| Mr. G. P. Youngman | " The English Landscape " |

## *Special University Lectures*

| | |
|---|---|
| Professor F. Bremer of the University of Brussels | " The Physiology of the Central Nervous System " (Three lectures) |
| Professor P. W. Bridgman of Harvard University | " The Nature of Some of our Physical Concepts " (Three lectures) |
| M. Albert Chauvel, Inspector General of Historical Monuments, Paris | " La Protection des Monuments anciens en France " (Three lectures) |
| Professor H. J. Emeléus of the University of Cambridge | " The Chemistry of the Transuranics and Other Newly-Discovered Elements " (Three lectures) |
| Sir Paul Fildes, formerly Director of Chemical Bacteriology (Medical Research Council, Lister Institute) | " Growth and Reproduction of Bacteria " (Three lectures) |
| Professor H. R. Hoetink of the University of Amsterdam | " The Place of Roman Law in Continental Legal Systems To-day " (Two lectures) |
| Professor B. Nardi of the University of Rome | " Sviluppo dell'arte e del pensiero di Dante ", " Dante e la lingua d'Adamo ", and "L'umanesimo padovano e la fine dell'averroismo " |
| Professor J. Neyman of the University of California | " Statistical Problems connected with Medical Diagnosis " (Three lectures) |
| Dr. E. Orowan of the University of Cambridge | " The Mechanical Strength of Solids " (Three lectures) |
| Professor H. Piéron of the Collège de France, Paris | " Les Problèmes Fondamentaux de la Psychophysique dans la Science Actuelle " (Two lectures) |
| Professor Claire Préaux of the Université Libre de Bruxelles | " The End of Antiquity in Egypt " (Two lectures), and " The Peculiar Position of Egypt in the Roman World " |
| Professor B. Rensch of the University of Münster | " Problems of directed evolution ", " Histological changes correlated with changes of body size ", and " The non-specificity of nervous conduction " |

| | |
|---|---|
| Professor D. S. Robertson of the University of Cambridge | " Pindar " (Three lectures) |
| Professor Bengt Strömgren of the University of Copenhagen | " The Properties of Matter in Interstellar Space " (Three lectures) |
| Professor G. B. Wislocki of Harvard Medical School | " The Cytology and Histochemistry of the Uterus and Placenta " (Three lectures) |

## *Lectures arranged by College Departments*

*Department of Anatomy and Embryology*

| | |
|---|---|
| Professor J. Z. Young | " The Structure of Peripheral Nerve " (Two lectures) |

*Department of Biochemistry*

| | |
|---|---|
| Professor J. B. S. Haldane | " Genetics and Biochemistry " (Seven lectures) |
| Dr. Tudor S. G. Jones of the Wellcome Physiological Research Laboratories | " The Peptide Bond in Biochemistry " (Three lectures) |
| Dr. P. J. G. Mann of Rothamsted Experimental Station, Harpenden | " Minor Elements in the Nutrition of Higher Plants " (Four lectures) |
| Professor R. A. Morton of the University of Liverpool | " Biochemistry of Carotenoids " (Three lectures) |
| Dr. W. E. van Heyningen of the Sir William Dunn School of Pathology, Oxford | " Bacterial Toxins " (Four lectures) |
| Dr. Charity Waymouth of the Chester Beatty Research Institute, Royal Cancer Hospital | " Technique and Applications of Tissue Culture " (Two lectures) |

*Department of French*

| | |
|---|---|
| Professor Charles Bruneau of the University of Paris | " Rimbaud, langue et style " |

*Department of Greek*

| | |
|---|---|
| Professor S. G. Kapsomenos of the University of Salonika | " The Greek Koine in the Light of its Later Development " |

*Department of History*

| | |
|---|---|
| Professor H. Hale Bellot | " The History and Historians of the Mississippi Valley " |
| Mr. S. T. Bindoff | " The Fall of the Protector Somerset " |
| Dr. A. B. C. Cobban | " France under Pétain, 1940-42 " |
| Professor R. A. Humphreys | " The Fall of the Spanish American Empire " |
| Professor J. E. Neale | " The Modernity of the Sixteenth Century " |
| Mr. T. F. Reddaway | " The Metropolitan Police in the Nineteenth Century " |
| | " The London of the Great Exhibition " |
| Professor G. J. Renier | " Two Princes of Orange: 1650 " |

*Department of Italian*

| | |
|---|---|
| Professor G. P. Bognetti of the University of Milan | " Relations between England and Lombardy in the Seventh and Eighth Centuries " |
| Professor A. Perosa of the Institute of Advanced Studies, Pisa | " Problemi e aspetti della poesia latina del Quattrocento " |

*Department of Pharmacology*

| | |
|---|---|
| Dr. F. Bergel | " Aspects of Pharmacological Chemistry " (Four lectures) |

*Department of Physiology*

| | |
|---|---|
| Professor H. Hartridge of the Vision Research Unit, Medical Research Council, Institute of Ophthalmology | " Some Recent Advances in the Physiology of Vision " |
| Dr. Bernhard Katz | " Transmission of Excitation in Nerve and Muscle " (Six lectures) |
| Dr. L. C. Thomson of the Vision Research Unit, Medical Research Council, Institute of Ophthalmology | " Visual Physiology " (Three lectures) |

*Department of Scandinavian Studies*

| | |
|---|---|
| Mr. I. P. Brandberg | " Strindberg " (Two lectures) |

*Lectures in Current Legal Problems arranged by the Faculty of Laws*

| | |
|---|---|
| Professor R. A. Eastwood of the University of Manchester | " Trade Protection and Monopoly " |
| Mr. J. L. J. Edwards | " Possession and Larceny " |
| Mr. R. C. FitzGerald | " Some Social and Constitutional Aspects of the New Planning Law " |
| Dr. J. M. Ganado | " British Public Law and the Civil Law in Malta " |
| Mr. L. C. Green | " Human Rights and the Colour Problem " |
| Mr. D. C. Holland | " The Law of Courts-Martial " |
| Mr. E. R. H. Ivamy | " The Law of the Theatre " |
| Professor G. W. Keeton | " The Changing Conception of Trusteeship " |
| Mr. D. Lloyd | " The Changed Relation of Landlord and Tenant " |
| Dr. O. R. Marshall | " Anachronisms in Equity " |
| Mr. R. O'Sullivan | " Evolution of the Law of Libel " |
| Mr. R. Powell | " The Concept of Marriage in Ancient and Modern Law " |
| Dr. G. Schwarzenberger | " The Problem of an International Criminal Law " |
| Miss Susan Strange | " The Council of Europe " |
| Dr. M. W. Thomas, Editor of the British Encyclopaedia of Social Administration | " Origins of Administrative Centralisation " |

## ADMINISTRATION

Following her marriage in December 1949, Mrs. Eleanor M. Davis resigned her appointment as Tutor to Women Students at the end of the session. She will be succeeded by Miss Diana Lewton Brain, a former student of the College.

Early in the session Mr. T. J. B. Spencer, Lecturer in the English Department, was appointed to the post of Advisor to Postgraduate Students, which was instituted as an experimental measure.

Mr. C. H. Cooke resigned the post of Bursar in July 1950, and Mr. E. H. Swain, who had been holding a similar appointment at the University of Oxford, was appointed in his place.

Mr. H. J. Evans, Senior Lecturer in the Department of Chemistry, who was largely responsible for the planning of the temporary chemistry laboratory and has been taking an active part in the planning of the new Physics building, has been seconded to Administration for the session 1950–51 in order that he may give further assistance with the planning of College buildings.

Mr. G. N. White was appointed Deputy Accountant in August 1950.

On the recommendation of the College Publications Committee, Mr. David Thomas has been appointed Typographical Consultant to the College, for a period of twelve months in the first instance, from August 1950.

A joint committee of the Professorial Board and the Managing Sub-Committee has been set up to deal with royalties, publishing rights, abridgements, etc., in connection with publications of which the College owns the copyright.

## STUDENT LIFE

A programme as vast as that undertaken by the Union each year is not easily summarised; and, in making his report, the President stresses the fact that it covers only the more prominent features which have marked the session under review.

Throughout the period, lack of adequate accommodation remained the outstanding factor in student life, and has proved to be the greatest obstacle to the full development of student activities. An over-all floor space of rather less than 4,500 square feet has been available for the use of some 3,000 students. This has inevitably resulted in a relatively small proportion of the potential membership making full use of the Union facilities. In particular, the demand for the gymnasium has been so great that severe restrictions have had to be made on the time during which it could be occupied by individual clubs each week. As well as being occasionally used for purposes of

Dramatic Society and Music Society performances, for examinations and Union General Meetings, and as a Polling Booth, the gymnasium was regularly used by the Badminton Club, Fencing Club, Gym Club, Boxing Club, Judo Club, and Country Dancing Club. It was also in demand for rehearsals by the Dramatic Society and the College Choir, and the activities of all these clubs and societies therefore suffered severe limitations.

At the instigation of the College Planning Committee, the then President of the Union visited other Universities and Colleges in January 1950, and examined their Union buildings, and made recommendations on the planning of the future University College Union building arising from evidence thus gained.

Since it seems unlikely that this building will be started during the coming quinquennium, the Union feels that an extension of the present temporary arrangements is essential to cover the needs of the coming two or three generations of students, and that a 'student centre' developed in a suitable place in the College would assist greatly in the integration of the Union.

During the session a Quiet Room was opened in Gower Street, and arrangements made for the transfer of Union offices to newly completed rooms in the Main Building, both of which moves were expected to provide some slight alleviation of present conditions.

The Union administration suffered from an apparent falling off in the number of students willing to take up posts of responsibility within the Union: a set-back which continued throughout the session, and to which Mr. Gee towards the close of his year as President, drew attention in "Pi" and about which he had consultations with members of the academic staff. In April 1950, upon the retirement of the Union officers, the new Executive took over, constituted as follows: President, Mr. David Comins; Vice-Presidents, Mr. Henry Gort and Miss Eileen Nithsdale; Student Secretary, Miss Tamsin Giles; Junior Treasurer, Mr. Michael Hartnell-Beavis. Dr. C. M. Rigby and Mr. H. Terrey were re-elected as Senior Treasurers.

A series of meetings arranged for senior administrative staff of the College and members of the Executive Committee proved useful and provided the opportunity for constructive exchanges of information and criticism.

Union Standing Committees did much useful work, and reports on the staff-student committees—that is, Refectory Committee and Student Health Association—appear elsewhere. With financial support from the College authorities, the Welfare Committee completed a second survey of employment for graduates, making recommendations which it is hoped will lead to eventual improvements in the facilities available to students seeking employment. A useful report was also prepared on housing, and a booklet issued at the beginning of the

session, intended as a general guide to students on welfare matters, proved sufficiently popular to merit annual publication as an appendix to the students' handbook.

Members of the Committee of the National Union of Students had an active year attending Councils in London, Cardiff, and Durham in November, February and July, respectively. The first session of the November Council was held in the gymnasium at University College. Several motions under the headings of welfare, grants, health, insurance, etc., originating in this Union, were later accepted by N.U.S. Council and became part of N.U.S. policy. Some thirty students attended the N.U.S. Easter Congress held at Brighton, and a small number of students attended the second World Students' Congress held under the auspieces of the I.U.S. in Prague.

" Pi ", the College newspaper, for a time became self-supporting. However, frequent change of staff made it impossible to keep this up. As an experiment, the Newsletter of the University of London Union, discontinued owing to staff difficulties and lack of funds, was published as a supplement to " Pi ". It remains to be seen whether this will be continued.

" New Phineas ", under a particularly energetic editorial board, appeared in a new format, and successfully sold out its last two issues of the session on the morning of their appearance in College.

General social activities continued with a high standard of organisation by Entertainments Committee under the chairmanship of Miss Pat Chandler. During the last term, however, a lack of personnel, mentioned above, caused great difficulties. The first post-war all-night Foundation Ball, held at Leyton, proved highly successful, despite its distance from College. A theatre ticket agency was set up with minor success, and socials, small dances and Union Nights held during the year were generally well attended.

The Central Athletics Board has been under the Chairmanship of Mr. Alan Hayter and Mr. Roger Chandler. The distance from College to the Sports Ground at Shenley has necessitated heavy expenditure on fares, despite the negotiation of a contract with Valliant Coaches Ltd., and, generally speaking, has cut down the number of students to those with an assured place in the College teams. The totally inadequate changing accommodation, too, has driven many clubs to seek facilities elsewhere. For example, the Rugger Club play regularly on the University Vandals Ground at Walton-on-Thames, and the Lacrosse Club in Regent's Park.

Last session various clubs did themselves credit in higher spheres. The Soccer Club reached the Final for the University of London Athletic Union Cup for the third successive year. The Lacrosse Club won their U.L.A.U. Championship. The Men's Boat Club won the London University Winter Eights Regatta for the second successive year, thus avenging themselves on King's who defeated

them in the Final for the Allom Cup in June 1949. The Men's Hockey Club reached the final of the University Cup, and the Chess Club only failed on a technical point to win their final contest.

As far as individuals are concerned, mention should be made, among others, of Mr. R. Yglesias, who was selected to represent England in an International Squash Championship in Belgium, Miss Gillian Sheen, the Women's Champion for England at Fencing, Mr. G. Goodchild who did very well in the Open French Badminton Championships, Mr. M. McDowell and Mr. B. Lawrence, who represented Bedfordshire and Huntingdonshire respectively in Cross-Country running, and Mr. E. A. Short, who captained the University Eight.

Under the direction of Mr. R. M. E. Henderson and Mr. Gerald Segal, Debates were organised on topics varying from " That Roman Catholicism is the bulwark of Western civilisation " to " That this house demands the repeal of Boyle's Law ". This latter was held as a Mediaeval Disputation on the portico steps.

The Dramatic Society, under the presidency of Mr. Douglas Coombs and latterly Mr. Lindsay Morgan, produced Chekhov's " The Anniversary " for the London University Dramatic Society One-Act Play Festival, and together with the Birkbeck Players was selected to represent L.U.D.S. at the N.U.S. Arts Festival at Birmingham University.

The Christmas Play was Farquhar's " The Recruiting Officer ", and in January the twenty-first annual performance of a selection from Laurence Housman's " Little Plays of St. Francis " brought the series to a close. The break due to the war years had made it difficult to revive the tradition fully. Christopher Fry's " The Firstborn " was given its first London performance by the Society in Foundation Week, and " Nice Wanton " was produced at the Assembly of Faculties.

The Classical Society, too, ventured into the field of dramatic art, and Plautus' comedy " Mostellaria " was successfully presented in Latin for the Classical Association during January.

Music Society presented a series of highly popular gramophone and ' live ' lunch-time recitals, whilst the Madrigal Group made two broadcasts for the B.B.C., and recorded a programme for transmission over a United States Radio network. Recently an opera has been put into rehearsal.

The newly associated Film Society, besides showing many films of cultural value, organised a film production unit, which, financed by the Union, produced several news reels of College activities and a short introduction to College life for Freshmen under the title " You and the Union ". Members toured abroad during the summer vacation, making a travel film for the N.U.S., and the production unit achieved a high standard of cinematic technique.

During the session a group of students from the History Department worked on a history of the Union, under the direction of Mr. Bindoff.

The number of affiliated societies grew to 44. The World Government Society, the Motor Club and the Mountaineering Club were affiliated during the session. The India Society, Rationalist Society and Revolutionary Socialist Society lapsed and were disaffiliated. At the end of the session a Pacifist Group and an International Circle, both active, were awaiting affiliation.

## THE REFECTORY

'The Refectory continued throughout the year to be accommodated to three concrete huts in the South Quadrangle. Owing to the temporary loss of the Upper Refectory during its reconstruction, and to the larger number of students using the Refectory, the congestion in the Main Refectory was acute. Coffee and snack bars were arranged in the old laundry hut near the Students' Refectory, and, for the two winter terms, in the Engineering Society's lounge in the basement of the South Wing. For some weeks during the summer term, also, the Rosa Morison hut near the lodge gates was temporarily used as a coffee bar.

The reconstruction of the Upper Refectory has taken longer than expected, and will not be ready for use until the beginning of session 1950–51. It is to be used as a Staff Refectory and for special dinners and functions, freeing for general refectory purposes the hut in the South Quadrangle hitherto used by the staff. Much needed relief will thus be given to the congestion in the Main Refectory, and this will be especially necessary as part of the northern bay of this Refectory will shortly have to be demolished to make room for the construction of the South Junction.

As mentioned in last year's Report, Messrs. John Gardner Ltd. took over the management of the Refectory on a managerial contract system in August 1949. Most of the previous staff have been retained, though there have been two or three changes among the supervisory staff during the year. The average number of meals served in the Refectory has shown an increase of about 40 per cent.

## THE OLD STUDENTS' ASSOCIATION

Dr. P. Dunsheath was elected President of the Old Students' Association in 1949, and Dr. F. C. Harris and Dr. R. E. Gibbs have continued to act as Honorary Secretary and Honorary Treasurer, respectively.

During the session 1949–50, the informal dinners and meetings continued to be the most popular functions, and thanks are due to the

guest speakers, Dr. Margaret Murray, Mr. John Richmond and Mr. John Summerson. At the meeting after the informal dinner on 27th January 1950, a programme of music was arranged and played by Professor and Mrs. F. R. Winton and Mr. J. F. Stokes. An invitation from the Union Debating Society for the Association to take part in a Debate on 14th February 1950 was gladly accepted and Miss Monica Grobel, with Mr. F. E. Warner, acted as the opposition speakers. The Association was honoured by the presence of Lord and Lady Normand at the Annual Dinner-Dance on 25th March 1950. This very enjoyable function included a delightful puppet show by Mr. Raymond Boyce.

The Annual Cricket and Tennis matches with the College took place on Saturday, 24th June 1950, at Shenley, the results being a draw at cricket and a win for the College at tennis.

At the Annual General Meeting on 13th July 1950 the new rules were approved. According to these, the Annual General Meeting will, in future, be held during the first term of each session. The present officers and members of Council will, therefore, remain in office until the Annual General Meeting for the session 1950–51, to be held on 1st November 1950.

As a result of negotiation between the Council and the College, members will in future receive annually a copy of the College Annual Report in place of the Annual Handbook which was issued up to 1939–40. This change will relieve the Association of a considerable financial burden, and the Association is extremely grateful to the College for this help. The Association reaches the sixtieth anniversary of its foundation in the session 1950–51, and the Council is particularly pleased that they are able to start sending members the College Annual Report as one way of marking the occasion.

## LIVING ACCOMMODATION

The College continued to maintain two hostels for students in leased premises during the session, the third hostel at Nos. 8–11 Cartwright Gardens having been closed in July 1949. These are at Nos. 93–97 Gower Street for forty-three women students, and at Nos. 28–29 Cartwright Gardens for students of the Slade School.

The former continues to be managed by Miss Paynting as Warden, under the supervision of the Student Accommodation Committee. The reorganisation carried out last year, whereby all meals except luncheon and tea are cooked and served on the premises, has been very successful, and the improvements to fittings and furniture have also been appreciated.

In the Slade School hostel there are twenty-two students, men in one house and women in the other. Students make their own

arrangements for meals, and there is a kitchen in the basement and a resident caretaker who does the cleaning. The Warden of the men's house, Mr. Nuttall-Smith, resigned his post at the end of the session, and it has been decided to run the hostel with two senior students in charge during next session. The lease of these houses expires in March 1952, and the continuance of the hostel thereafter is uncertain.

Towards the end of the summer term information was received from the University that the leasehold rights in thirteen adjoining houses, Nos. 31–43 Cartwright Gardens, had been acquired for the College to start a new hostel. These premises have hitherto been used as a residential club for students and young professional men and women, and it is hoped that comparatively little structural alteration will be required to adapt them as a hostel for men students. There are good prospects that part of this hostel will be available for students in January 1951. When all the houses are ready, there should be accommodation for about one hundred and eighty students. It is intended to retain the present manageress, Miss Wooley, and to appoint a warden and a sub-warden of academic status.

Mr. D. O. Wood, Senior Tutor, continued as Chairman of the Student Accommodation Committee throughout the year, and membership of this Committee includes representatives of all faculties.

Little progress has been made in the long-term project to acquire the large site in Fitzroy Street for the construction of four or five hostels, mentioned last year, which is still under the consideration of the University Grants Committee. Information has recently been received, however, that the University has purchased on behalf of the College, two houses, Nos. 115–117 Whitfield Street. These are severely damaged and will have to be demolished.

The conversion into staff flats of three houses in Hornton Street, Kensington, was completed in December 1949 and members of the staff who were allotted flats here were able to move in during January. There are fifteen flats, each with two or three rooms and a kitchen and bathroom, and a small basement flat for a caretaker. The demand for these flats was keen, and all were let without difficulty at varying rents to members of the staff. The five larger flats in two houses in Nevern Square, Earl's Court, which were completed last year, were also occupied throughout the year.

## THE STUDENT HEALTH ASSOCIATION

During the period under review the Student Health Association has continued to extend the scope of its activities. In addition to the treatment of illness and injury at the Health Centre and the organisation of X-ray examinations under the Mass Radiography scheme, the

Student Health Association now undertakes general health examinations and provides a General Practitioner Service under the National Health Act for those who register with the Association's physician.

Increasing use of all the facilities offered by the Student Health Association is being made by both students and staff; attendances at the Health Centre during the session numbered about four thousand. The Association now employs an Assistant Physician—a post filled by Dr. A. Tudor-Hart during the past session—as well as its full-time Physician-in-Charge, Dr. N. Malleson. In May 1950 Sister Dorothy Bowden succeeded Sister Helen Drinkwater in full-time attendance at the Health Centre.

Dr. D. Heron, Miss W. Radley and Mr. S. T. Bindoff continued to represent the College Committee on the Committee of the Student Health Association, as did Dr. J. Joseph and Mrs. Eleanor M. Davis until the resignation of their College appointments in March 1950 and August 1950, respectively, when they were succeeded by Dr. A. Wilson and Miss Diana Lewton Brain. Student members of the Committee continued to fill the positions of Chairman, Secretary and Junior Treasurer.

## SPECIAL EVENTS

The Provost and Mrs. Pye were "At Home" to members of the College Committee and academic staff in the Slade School on the evening of 16th December 1949.

*A Visitation of the University to the Faculty of Medical Sciences* was made on 19th January 1950. (See page 50).

*Foundation Week* in 1950 was marked by the time-honoured functions arranged by the Union Society with some variation of the usual programme. As is now customary, the week was preceded by performances of the Foundation Play. During the period 8th to 12th March the Dramatic Society presented "The First Born" by Christopher Fry. The Foundation Games at Mitcham with which Foundation Week opened on Wednesday, 15th March, provided a variety of contests with opposing teams from King's College. The Foundation Oration was delivered by Professor A. E. Richardson, R.A., on Thursday, 16th March. His subject was "The Renewal of the Arts". Later the same evening, the Film Society presented John Ford's "The Grapes of Wrath". On Friday, 17th March, the Foundation Ball was held at the High Road Baths, Leyton. The Foundation Debate followed on Monday, 20th March. The motion before the Debating Society was, "That the return of an overwhelming Labour majority at the next election is imperative for the welfare of the Nation".

The principal speakers were to have been Lord Pakenham and Lord Swinton, but owing to the illness of Lord Swinton, his place was taken by Mr. John Lowe, Conservative candidate for Gravesend. At the Foundation Concert arranged by the Music Society, the College choir and orchestra were conducted by Mr. Anthony Addison and the Madrigal Group was led by Mr. Lynn Jenkins. The week's celebrations ended with the Women's " At Home " held in the College on Wednesday 22nd March.

*The Fellows' Dinner* was held on 28th April 1950 and was preceded by the Inauguration Ceremony of Admission by the Chairman of the College Committee, Lord Normand, of two new Honorary Fellows and nine new Fellows, whose names are on pages 20-21. There were fifty-nine guests at the Dinner. The toast " The College " was proposed by Sir William Strang, Permanent Under-Secretary of State, and this toast was drunk, as is the custom, in the Rouse Ball and W. P. Ker Loving Cups. The toast " The New Honorary Fellows and Fellows " was proposed by Dr. F. M. R. Walshe : Professor Lillian M. Penson, Vice-Chancellor of the University, responded.

The twenty-first *Ramsay Memorial Dinner* was given by the Provost on 15th June 1950. The toast " The Memory of Sir William Ramsay " was proposed by Sir Robert Robinson, President of the Royal Society and a member of the Ramsay Advisory Council. The toast " The Ramsay Memorial Fellows " was proposed by Sir Robert Waley Cohen, a Ramsay Trustee since 1924 and Chairman of the Trust since 1932. Dr. C. S. Piggot, Scientific Attaché to the American Embassy in London, who held a Ramsay American Fellowship in the year 1922–23, responded on behalf of the overseas Fellows, and Dr. D. McNeil, Glasgow Fellow 1938–40, on behalf of the British Ramsay Fellows. Sixty-five guests were present.

*The Assembly of Faculties* for 1950 was held at Friends' House, Euston Road, on 27th June. A full account of the proceedings is given in Appendix V (page 94).

During the session 1949–50 hospitality has been extended to the following societies and organisations for meetings in the College :—

Aristotelian Society, Association for the Reform of Latin Teaching, Association of Training Colleges and Departments of Education (Metropolitan Branch), Association of University Teachers, Atomic Scientists' Association, Biochemical Society, British Ecological Society, British Esperanto Scientific Society, British Psychological Society, British Social Hygiene Council, China Campaign Committee, Embryologists' Club, English Goethe Society, Folk Lore Society, Genetical Society, Historical Association, Institute of Historical Research, Institute of Philosophy, Institute of Physics (Stress Analysis Group), Liverpool University London Society, London Association of University Women Teachers, London Board of Jewish Religious Education, London

Classical Association, London Institute of World Affairs, London Intercollegiate Club, London Mathematical Society, London Mediaeval Society, Modern Humanities Research Association, Modern Language Association, Natural Science Club, Pathological Society of Great Britain and Ireland, Physiological Society of Great Britain, Royal Anthropological Institute, Royal Institute of Chemistry, Society for Endocrinology, Society of Public Analysts, Universities Federation for Animal Welfare, Viking Society, some sessions of the XVI International Congress of Ophthalmology.

NORMAND

*Chairman*

# APPENDIX I

RETURN OF ATTENDANCES OF THE MEMBERS OF THE COLLEGE COMMITTEE from 1st October 1949 to 30th September 1950.

| Members of College Committee | College Committee | Managing Sub-Committee | Finance Sub-Committee |
|---|---|---|---|
| Chairman (Rt. Hon. Lord Normand) | 7—7 | — | 1—11 |
| Vice-Chairman (Sir Robert Waley Cohen) | 5—7 | 8—10 | 6—11 |
| Treasurer (Dr. David Heron) | 7—7 | 8—10 | 11—11 |
| Provost (Dr. D. R. Pye) | 7—7 | 9—10 | 10—11 |
| Mr. A. B. Ashby | 3—7 | — | — |
| Professor H. E. M. Barlow | 6—7 | 10—10 | — |
| Mr. A. Digby Besant | 4—7 | 6—10 | 9—11 |
| Mrs. Irene Chaplin | 4—7 | — | — |
| Professor G. R. de Beer | 3—3 | 4—5 | — |
| Dr. W. E. Duncanson | 4—4 | 5—5 | — |
| Dr. P. Dunsheath | 4—7 | 7—10 | 5—11 |
| Sir Alexander Gibb | 0—7 | — | — |
| Dr. R. E. Gibbs | 4—4 | — | — |
| Professor A. V. Hill | 3—4 | — | — |
| Mr. A. S. Holness | 6—7 | 10—10 | 9—11 |
| Sir Frederick James | 6—7 | — | 9—11 |
| Professor G. W. Keeton | 5—7 | 5—10 | — |
| Mr. L. Hilary Macklin | 0—0 | — | — |
| Mr. E. K. Martin | 6—7 | — | 8—11 |
| Professor J. E. Neale | 7—7 | 9—9 | — |
| Professor W. H. Pearsall | 5—7 | 7—10 | — |
| Professor A. H. Smith | 3—3 | 5—5 | — |
| Miss Etheldreda Wickers | 5—7 | — | — |
| Professor F. R. Winton | 4—4 | 3—5 | — |
| Mr. R. McKinnon Wood | 2—4 | — | — |

[*Note.*—The two figures in each space indicate respectively the number of times that the member attended, and the number of times that he was summoned to meetings of the Committee in question.]

# APPENDIX II

## NUMBER OF STUDENTS IN THE COLLEGE

### SESSION 1949–50

| | Men | Women | Total |
|---|---|---|---|
| I. Faculty of Arts: | | | |
| (*a*) General | 347 (74) | 413 (196) | 760 (270) |
| (*b*) Department of Political Economy | 93 (2) | 29 (1) | 122 (3) |
| (*c*) Slade School of Fine Art | 137 (17) | 123 (27) | 260 (44) |
| (*d*) Bartlett School of Architecture | 220 (40) | 50 (6) | 270 (46) |
| (*e*) School of Librarianship and Archives | 19 (5) | 37 (12) | 56 (17) |
| II. Faculty of Science | 664 (199) | 101 (18) | 765 (217) |
| III. Faculty of Medical Sciences | 200 (44) | 31 (2) | 231 (46) |
| IV. Faculty of Engineering | 236 (36) | 2 (2) | 238 (38) |
| V. Faculty of Laws | 204 (20) | 42 (4) | 246 (24) |
| VI. Postgraduate and Research | 516 (167) | 132 (43) | 648 (210) |
| Total | 2,636 (604) | 960 (311) | 3,596 (915) |

(*Note.*—The figures in brackets indicate the number of part-time students which are included in the total under each head.)

# APPENDIX III

## GEOGRAPHICAL DISTRIBUTION OF STUDENTS

### SESSION 1949—50

| | Under-graduates | Post-graduates | Totals |
|---|---|---|---|
| UNITED KINGDOM— | | | |
| London | 531 | 127 | 658 |
| Home Counties (30 mile radius) | 1114 | 189 | 1303 |
| Remainder of United Kingdom | 997 | 108 | 1105 |
| BRITISH COMMONWEALTH OF NATIONS— | | | |
| Australia | 7 | 15 | 22 |
| British East Africa | 13 | 1 | 14 |
| British Guiana | 4 | 3 | 7 |
| British West Africa | 16 | 6 | 22 |
| Canada | 5 | 10 | 15 |
| Ceylon | 8 | 7 | 15 |
| Cyprus | 3 | — | 3 |
| Gibraltar | 1 | — | 1 |
| Hong-Kong | 1 | 2 | 3 |
| India | 27 | 23 | 50 |
| Malaya | 13 | 2 | 15 |
| Malta | — | 1 | 1 |
| Mauritius | 3 | — | 3 |
| Northern Rhodesia | 1 | — | 1 |
| New Zealand | 9 | 6 | 15 |
| Pakistan | 2 | 5 | 7 |
| South Africa | 13 | 14 | 27 |
| Sudan | 8 | — | 8 |
| West Indies | 5 | 3 | 8 |
| OTHER PARTS OF THE WORLD— | | | |
| Austria | 2 | — | 2 |
| Belgium | 3 | 4 | 7 |
| Burma | 10 | — | 10 |
| China | 6 | 5 | 11 |
| Czechoslovakia | 1 | 3 | 4 |
| Denmark | 1 | — | 1 |
| Egypt | 11 | 37 | 48 |
| Eire | 4 | 3 | 7 |
| Finland | 4 | 1 | 5 |
| France | 30 | 5 | 35 |
| French India | 1 | — | 1 |
| Germany | 2 | 1 | 3 |
| Greece | 3 | 5 | 8 |
| Holland | 4 | — | 4 |
| Hungary | 1 | 1 | 2 |
| Iceland | 4 | 1 | 5 |
| Indo-China | 1 | — | 1 |
| Indonesia | — | 1 | 1 |
| Carried forward | 2869 | 589 | 3458 |

| | Under-graduates | Post-graduates | Totals |
|---|---|---|---|
| Brought forward | 2869 | 589 | 3458 |
| Iran | 1 | 2 | 3 |
| Iraq | 4 | 2 | 6 |
| Israel | 7 | 8 | 15 |
| Italy | 8 | 3 | 11 |
| Libya | 1 | 1 | 2 |
| Morocco | — | 2 | 2 |
| Norway | 7 | — | 7 |
| South America | 7 | — | 7 |
| Siam | 2 | 2 | 4 |
| Spain | 2 | 1 | 3 |
| Sweden | 4 | — | 4 |
| Switzerland | 14 | — | 14 |
| Tibet | 1 | — | 1 |
| Transjordan | 1 | — | 1 |
| Turkey | — | 5 | 5 |
| United States of America | 20 | 33 | 53 |
| Totals | 2948 | 648 | 3596 |

SUMMARY

| | |
|---|---|
| United Kingdom | 3066 |
| British Commonwealth of Nations | 237 |
| Other parts of the world | 293 |
| | 3596 |

# APPENDIX IV

## UNIVERSITY OF LONDON, UNIVERSITY COLLEGE

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## ACCOUNTS

**For the Year ended 31st July 1950**

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College Income and Expenditure

General Balance Sheet

| 1948–49 £ | £ | EXPENDITURE | £ s. d. | £ s. d. | 1949–50 £ | £ s. d. |
|---|---|---|---|---|---|---|
| | | **Administration :—** | | | | |
| 38,879 | | Salaries of Administrative Staff (including N. Insurance and Family Allowances) ... ... ... ... ... | | | 46,264 18 4 | |
| 2,283 | | Superannuation of Administrative Staff ... ... ... | | | 2,638 12 7 | |
| 729 | | Advertising ... ... ... ... ... ... ... | | | 792 5 11 | |
| 10,957 | | Printing, Stationery, Postages and Telephone ... ... | | | 13,052 18 10 | |
| 481 | | Audit and Legal Fees ... ... ... ... ... | | | 846 5 2 | |
| 1,662 | | Other Expenses ... ... ... ... ... ... | | | 2,233 12 10 | |
| | 54,991 | | | | | 65,828 13 8 |
| | | **Departmental Maintenance :—** | | | | |
| | | Salaries of Teaching Staff (including N. Insurance and Family Allowances) | £ s. d. | | | |
| 77,223 | | Professorial ... ... ... | 95,893 10 0 | | | |
| 185,782 | | Non-Professorial ... ... | 246,027 2 11 | | | |
| | | | | | 341,920 12 11 | |
| 263,005 | | | | | | |
| 22,548 | | Superannuation of Teaching Staff ... ... ... ... | | | 29,976 0 4 | |
| 2,746 | | Salaries of Departmental Staff (including N. Insurance)... | | | 4,173 11 4 | |
| 151 | | Superannuation of Departmental Staff ... ... ... | | | 120 11 8 | |
| 176 | | Public Lectures ... ... ... ... ... ... | | | 329 12 0 | |
| 53,677 | | Departmental Wages (including N. Insurance and Family Allowances) ... ... ... ... ... | | | 59,225 8 2 | |
| — | | Superannuation—Departmental Wages ... ... ... | | | 2,175 11 9 | |
| | | Departmental and Laboratory Maintenance from : | | | | |
| 40,239 | | General Income ... ... ... ... ... ... | | | 47,255 18 5 | |
| 5,000 | | Special Apparatus Reserve Fund ... ... ... | | | 5,000 0 0 | |
| 2,604 | | Trust and Special Funds and Donations ... ... | | | 2,730 15 7 | |
| 9,081 | | Salaries of Librarian and Library Staff (including N. Insurance and Family Allowances) ... ... ... | | | 11,420 11 4 | |
| 570 | | Superannuation of Library Staff ... ... ... ... | | | 937 10 0 | |
| 7,232 | | Libraries ... ... ... ... ... ... ... | | | 9,870 0 9 | |
| 1,000 | | Other Departmental Expenses ... ... ... ... | | | 1,724 19 5 | |
| | 408,029 | | | | | 516,861 3 8 |
| | | **Maintenance of Premises :—** | | | | |
| 2,571 | | Salaries of Works Department Staff (including N. Insurance and Family Allowances) ... ... ... ... | | | 3,723 6 2 | |
| 150 | | Superannuation of Works Department Staff ... ... | | | 366 10 8 | |
| 13,176 | | Rates and Insurance ... ... ... ... ... | | | 13,990 17 8 | |
| 21,843 | | Heat, Light and Water (including Wages of Stokers, N. Insurance and Family Allowances) ... ... | | | 19,276 15 10 | |
| 8,460 | | Ordinary Repairs and General Maintenance of Buildings... | | | 9,896 6 2 | |
| 13,607 | | Wages of Porters and Attendants (including N. Insurance and Family Allowances) ... ... ... ... | | | 13,689 6 1 | |
| 8,510 | | Cleaners (including N. Insurance and Family Allowances) | | | 9,613 17 7 | |
| 367 | | Grounds ... ... ... ... ... ... ... | | | 372 11 9 | |
| — | | Superannuation of Tradesmen, Porters and Other Staff | | | 695 4 3 | |
| 2,247 | | Household Stores ... ... ... ... ... ... | | | 2,459 15 3 | |
| 1,221 | | Furniture ... ... ... ... ... ... | | | 2,018 12 2 | |
| 220 | | Crabb Robinson Fund (for Athletic Grounds, Halls, etc.) (*per contra*) ... ... ... ... ... ... | | | 187 13 1 | |
| 899 | | Other Expenses ... ... ... ... ... ... | | | 1,284 17 6 | |
| | 73,271 | | | | | 77,575 14 9 |
| | | **Pensions :—** | | | | |
| | | To Retired Members of Staff from : | | | | |
| 238 | | Trust Funds (*per contra*) ... ... ... ... | | | 250 0 0 | |
| 4,657 | | General Income ... ... ... ... ... | | | 3,403 14 4 | |
| 2,000 | | „ College Servants ... ... ... ... ... ... | | | 597 2 0 | |
| | 6,895 | | | | | 4,250 16 4 |
| | | **Other Educational Expenses :—** | | | | |
| 151 | | Examiners' Fees ... ... ... ... ... ... | | | | 88 0 0 |
| | | **Rents and Other Payments for Use of Buildings** | | | | |
| 3,230 | | (including Hostels) ... ... ... ... ... ... | | | | 2,697 5 4 |
| 546,567 | | Carried forward ... ... ... ... ... | | | | 667,301 13 9 |

# UNIVERSITY COLLEGE

## Account for Year ended 31st July 1950

| 1948–49 £ | £ | INCOME | 1949–50 £ s. d. | £ s. d. |
|---|---|---|---|---|
| | | **Endowments** (Trust Funds): Appropriated for :— | | |
| 10,363 | | Salaries and Superannuation of Teaching Staff ... ... | 14,307 14 4 | |
| 3,199 | | Scholarships and Prizes ... ... ... ... ... | 3,394 7 1 | |
| 14,551 | | Faculty of Medical Sciences (Holme and Rockefeller Sustentation Funds) ... ... ... ... ... | 14,551 3 6 | |
| 6,741 | | Chemical Engineering and Galton and Biometric Laboratories ... ... ... ... ... ... | 2,800 16 1 | |
| 220 | | Athletic Grounds, Halls, etc. (Crabb Robinson Fund) (*per contra*) ... ... ... ... ... ... | 187 13 1 | |
| 237 | | Retired Professors' Pensions (*per contra*) ... ... | 250 0 0 | |
| 7,027 | | Purposes other than above ... ... ... ... ... | 7,742 6 1 | |
| | 42,338 | | | 43,234 0 2 |
| | | **Donations and Subscriptions**: Appropriated for :— | | |
| 1,913 | | Special Purposes ... ... ... ... ... ... | 2,620 12 9 | |
| 1,841 | | Scholarships and Bursaries ... ... ... ... ... | 1,006 17 4 | |
| 280 | | Apparatus ... ... ... ... ... ... ... | 443 0 3 | |
| | 4,034 | | | 4,070 10 4 |
| | | **Special Funds**: Appropriations from :— | | |
| 752 | | Eugenics and Statistics Publications Fund ... ... | 933 11 9 | |
| 5,000 | | Special Apparatus Reserve Fund ... ... ... ... | 5,000 0 0 | |
| 1,540 | | Students' Purposes Fund ... ... ... ... ... | 1,048 0 8 | |
| 43 | | Completion of Engineering Laboratories Fund ... ... | 38 19 6 | |
| 16 | | Library Deposits Fund ... ... ... ... ... | 15 8 1 | |
| 213 | | German Library Fund ... ... ... ... ... | 166 0 0 | |
| 52 | | Rockefeller Site Building and Equipment Fund ... ... | 427 16 1 | |
| 18 | | Library Fines Fund ... ... ... ... ... ... | 78 15 0 | |
| — | | Egyptology Fund ... ... ... ... ... ... | 5 0 0 | |
| — | | V. F. Pye Royalties Fund ... ... ... ... ... | 50 0 0 | |
| — | | Ealing Hall Fund ... ... ... ... ... ... | 100 0 0 | |
| — | | Pension Reserve Fund ... ... ... ... ... | 2,040 18 3 | |
| | 7,634 | | | 9,904 9 4 |
| 54,006 | | Carried forward ... ... ... ... ... | | 57,208 19 10 |

| 1948–49 £ | £ | EXPENDITURE—*continued* | 1949–50 £ s. d. | £ s. d |
|---|---|---|---|---|
| 546,567 | | Brought forward ... ... ... ... ... | | 667,301 13 |
| | | **Scholarships and Prizes** :— | | |
| 3,199 | | From Endowments ... ... ... ... ... ... | 3,394 7 1 | |
| 3,199 | | „ General Income ... ... ... ... ... | 2,480 3 5 | |
| — | | „ General Income (Exhibition Bursaries and Special | | |
| 223 | | Fee Remissions) (*per contra*) ... ... ... | 199 9 0 | |
| 1,842 | | „ Special Donations ... ... ... ... ... | 1,006 17 4 | |
| | 8,463 | | | 7,080 16 1 |
| | | **Students' Societies** :— | | |
| 5,046 | | Payments to : University College London Union ... | 8,468 7 0 | |
| 542 | | University of London Union ... ... | 542 10 0 | |
| 321 | | Other Payments from Students' Purposes Fund ... ... | 505 10 8 | |
| | 5,909 | | | 9,516 7 |
| | | **Mortgage Loan on Gordon Street Frontage** :— | | |
| 1,735 | | Interest ... ... ... ... ... ... ... | 1,657 4 6 | |
| — | | Transfer to Redemption Fund ... ... ... ... | 1,998 7 0 | |
| | 1,735 | | | 3,655 11 |
| | | **Other Expenses** :— | | |
| 152 | | Institute of Historical Research—Grant to Library (American History Fund) ... ... ... ... | 100 10 1 | |
| 400 | | Subvention to Refectory for College Amenities ... ... | 400 0 0 | |
| 160 | | Grant to German Library ... ... ... ... ... | 160 0 0 | |
| 2,303 | | Miscellaneous Expenditure ... ... ... ... ... | 1,913 19 9 | |
| 1,124 | | Bank Charges ... ... ... ... ... ... | 597 17 5 | |
| | 4,139 | | | 3,172 7 |
| | 428 | **Capital Expenditure met from Income** ... ... ... | | 2,500 18 1 |
| | 1,102 | **Deficit on Staff Accommodation Account** ... ... | | 951 18 |
| | — | **Deficit on Hostels Account** ... ... ... ... | | 54 2 |
| | 568,343 | | | 694,233 16 |
| | | *Excess of Income over Expenditure carried to Appropriation Account* :— | | |
| 18,192 (*Cr.*) | | *General* ... ... ... ... ... ... ... | | — |
| 11,156 (*Dr.*) | | *Medical* ... ... ... ... ... ... ... | | — |
| 406 (*Dr.*) | | *Social Sciences* ... ... ... ... ... ... | | — |
| | 6,630 | | | |
| | £574,973 | | | £694,233 16 |

## Account for Year ended 31st July 1950 (*cont.*)

| 1948–49 £ | £ | INCOME—*continued* | 1949–50 £ s. d. | £ s. d. |
|---|---|---|---|---|
| | 54,006 | Brought forward ... ... ... ... ... | | 57,208 19 10 |
| | | **Grants Allocated by the Court of the University** :— | | |
| 348,427 | | Recurrent Grant: General ... ... ... ... ... | 374,427 0 0 | |
| 60,573 | | Medical ... ... ... ... ... | 75,573 0 0 | |
| 7,000 | | Social Sciences ... ... ... ... ... ... | 9,100 0 0 | |
| 416,000 | | | 459,100 0 0 | |
| | | Salary Revision Supplementation :— | | |
| — | | General ... ... ... ... ... ... ... | 53,829 13 0 | |
| — | | Medical ... ... ... ... ... ... ... | 11,836 7 0 | |
| — | | Social Sciences ... ... ... ... ... ... | 1,076 0 0 | |
| | 416,000 | | | 525,842 0 0 |
| | | **Fees** :— | | |
| 99,741 | | General (including £564 9s. 11d. for Intercollegiate Teaching) ... ... ... ... ... ... ... | 101,290 13 3 | |
| 1,341 | | Examination and Registration Fees ... ... ... | 878 3 4 | |
| 224 | | Exhibition Bursaries and Special Fee Remissions (*per contra*) ... ... ... ... ... ... ... | 199 9 0 | |
| 101,306 | | | 102,368 5 7 | |
| 585 | | *Less* Intercollegiate Fees Paid .. ... ... ... | 311 18 9 | |
| | 100,721 | | | 102,056 6 10 |
| | | **Other Income** :— | | |
| 58 | | Interest and Dividends :— *Dividends on General Investment* ... ... ... ... | — | |
| 640 | | Bawden Fund ... ... ... ... ... ... | 640 0 0 | |
| 20 | | Societies (for Service, etc.) ... ... ... ... | 11 1 11 | |
| 315 | | Lockers and Cycle House Rents ... ... ... ... | 327 2 0 | |
| 35 | | Sale of Calendars, etc. ... ... ... ... ... | 25 6 9 | |
| 75 | | Administration Charges ... ... ... ... ... | 75 0 0 | |
| 117 | | Keys ... ... ... ... ... ... ... ... | 148 0 5 | |
| 1,093 | | Miscellaneous ... ... ... ... ... ... | 979 15 10 | |
| | 2,353 | | | 2,206 6 11 |
| | 956 | *Surplus on Hostels Account* ... ... ... ... ... | | — |
| | 937 | **Surplus on College Properties Account** ... ... | | 1,980 6 9 |
| | 574,973 | | | 689,294 0 4 |
| | | **Excess of Expenditure over Income (including transfers to Redemption Funds) carried to Appropriation Account** :— | | |
| | — | General ... ... ... ... ... ... ... | 3,828 11 3 (Cr.) | |
| | — | Medical ... ... ... ... ... ... ... | 9,121 7 2 (Dr.) | |
| | — | Social Sciences ... ... ... ... ... ... | 353 0 0 (Cr.) | |
| | | | | 4,939 15 11 |
| | £574,973 | | | £694,233 16 3 |

## Appropriation

| | General £ s. d. | Medical £ s. d. | Social Sciences £ s. d. | Net Total £ s. d. |
|---|---|---|---|---|
| Balance (Deficit) brought forward from 1948–49 ... ... ... ... ... | — | — | 406 11 8 | — |
| Income and Expenditure Account (Deficit) | — | 9,121 7 2 | — | 4,939 15 11 |
| Mortgage Loan (Gordon Street Frontage) Transfer to Redemption Fund (1945–49) | 8,074 15 2 | — | — | 8,074 15 2 |
| Balance (Surplus) carried forward ... ... | 11,129 3 3 | — | — | 1,954 4 5 |
| | £19,203 18 5 | 9,121 7 2 | 406 11 8 | 14,968 15 6 |

## Hostels

EXPENDITURE

| *1948–49* | | 1949–50 | | | |
|---|---|---|---|---|---|
| | | 93–97 Gower St. | 8–11 Cartwright Gardens | 28–29 Cartwright Gardens | Total |
| £ | | £ s. d. | £ s. d. | £ s. d. | £ s. d. |
| *1,611* | Rent of Premises ... ... ... | 675 0 0 | — | 305 4 0 | 980 4 0 |
| *961* | Rates and Insurance ... ... | 489 2 5 | — | 160 19 5 | 650 1 10 |
| *526* | Maintenance of Premises ... ... | 129 5 8 | — | 61 1 2 | 190 6 10 |
| *921* | Heating, Lighting and Water ... | 513 6 7 | 25 15 3 | 319 1 0 | 858 2 10 |
| *2,031* | Wages and N. Insurance ... ... | 1,200 11 7 | — | 94 1 10 | 1,294 13 5 |
| *285* | Laundry and Household Stores ... | 180 2 4 | 6 17 0 | 10 3 6 | 197 2 10 |
| *3,200* | Food ... ... ... ... ... | 1,038 8 0 | — | — | 1,038 8 0 |
| *262* | Repairs and Renewals, Telephone and Miscellaneous ... ... ... | 222 10 8 | 8 5 1 | 10 4 5 | 241 0 2 |
| *57* | Sundry Equipment ... ... ... | 18 14 9 | — | — | 18 14 9 |
| *300* | Allocation to Maintenance Reserve... | 100 0 0 | — | 100 0 0 | 200 0 0 |
| *476* | Warden's Salary, N. Insurance and Superannuation ... ... ... | 384 5 8 | — | — | 384 5 8 |
| *10,630* | | £4,951 7 8 | 40 17 4 | 1,060 15 4 | 6,053 0 4 |
| *956* | *Surplus carried to Income and Expenditure Account* ... ... | | | | — |
| *£11,586* | | | | | £6,053 0 4 |

## Account

| | General £ s. d. | Medical £ s. d. | Social Sciences £ s. d. | Net Total £ s. d. |
|---|---|---|---|---|
| Balance (Surplus) brought forward from 1948–49 ... ... ... ... ... | 13,133 7 2 | — | — | 12,726 15 6 |
| Income and Expenditure Account (Surplus) | 3,828 11 3 | — | 353 0 0 | — |
| Balance of Reserve for Electricity Charges at 31st July 1949, not required ... ... | 2,242 0 0 | — | — | 2,242 0 0 |
| Balance (Deficits) carried forward ... ... | — | 9,121 7 2 | 53 11 8 | — |
| | £19,203 18 5 | 9,121 7 2 | 406 11 8 | 14,968 15 6 |

## Account

INCOME

| *1948–49* | | 1949–50 93–97 Gower St. £ s. d. | 8–11 Cartwright Gardens £ s. d. | 28–29 Cartwright Gardens £ s. d. | Total £ s. d. |
|---|---|---|---|---|---|
| *8,856* | Residence Fees ... ... ... | 4,002 17 6 | — | 789 0 0 | 4,791 17 6 |
| *30* | Telephone Receipts ... ... ... | 34 18 6 | — | 2 16 1 | 37 14 7 |
| — | Gas Meter Receipts ... ... ... | 89 5 11 | — | 99 15 9 | 189 1 8 |
| *1,611* | Rent of Premises transferred to College Income and Expenditure Account ... ... ... ... | 675 0 0 | — | 305 4 0 | 980 4 0 |
| *10,497* | | £4,802 1 11 | — | 1,196 15 10 | 5,998 17 9 |
| *1,089* | *Surplus on Hostels Account at 31st July 1948 written back* ... ... | | | | — |
| — | Deficit carried to Income and Expenditure Account ... ... | | | | 54 2 7 |
| *£11,586* | | | | | £6,053 0 4 |

## EXPENDITURE

| 1948–49 | | 37–38 Nevern Sq. | 1949–50 1, 3 and 5 Hornton St. | Total |
|---|---|---|---|---|
| £ | | £ s. d. | £ s. d. | £ s. d. |
| 90 | Ground Rent | 90 0 0 | — | 90 0 0 |
| 41 | Rates and Insurance | 24 13 7 | 39 19 4 | 64 12 11 |
| 4 | Heating, Lighting and Water | 9 13 9 | 16 2 11 | 25 16 8 |
| — | Maintenance of Premises | 18 1 10 | 21 12 8 | 39 14 6 |
| — | Household Stores | 3 12 10 | 5 13 11 | 9 6 9 |
| 17 | Service | 50 0 0 | 114 1 0 | 164 1 0 |
| 77 | Telephone | 30 8 7 | 50 8 0 | 80 16 7 |
| 229 | | £226 10 7 | 247 17 10 | 474 8 5 |
| | Treasury Loan : | | | |
| 614 | Interest | | 1,209 2 7 | |
| 426 | Transfer to Redemption Fund | | 870 7 7 | |
| 1,040 | | | | 2,079 10 2 |
| — | Transfer to Leasehold Depreciation Fund (37–38 Nevern Square) | | | 45 0 0 |
| £1,269 | | | | £2,598 18 7 |



## EXPENDITURE

| 1948–49 | | 1949–50 |
|---|---|---|
| | | £ s. d. |
| 68 | Rents Payable | 128 17 0 |
| 400 | Rates and Insurance | 616 18 7 |
| 160 | Heating, Lighting and Water | 146 4 11 |
| 55 | Cleaning | 2 13 10 |
| 89 | Maintenance of Premises | 130 6 0 |
| 13 | Miscellaneous | 11 14 3 |
| — | Agents' Commission | 65 15 5 |
| — | Legal Expenses | 56 6 0 |
| 785 | | 1,158 16 0 |
| | Mortgage Loan on Seamen's Hospital : | |
| 1,616 | Interest | 1,475 10 4 |
| 3,701 | Transfer to Redemption Fund | 3,841 11 6 |
| 5,317 | | 5,317 1 10 |
| 937 | Surplus carried to Income and Expenditure Account | 1,980 6 9 |
| £7,039 | | £8,456 4 7 |

## Accommodation Account

INCOME

| 1948–49 | | 1949–50 | | |
|---|---|---|---|---|
| | | 37–38 Nevern Sq. | 1, 3 and 5 Hornton St. | Total |
| £ | | £ s. d. | £ s. d. | £ s. d. |
| 167 | Rents Received ... ... ... ... ... | 748 9 4 | 898 10 10 | 1,647 0 2 |
| 1,102 | Deficit carried to Income and Expenditure Account | | | 951 18 5 |
| £1,269 | | | | £2,598 18 7 |

## Properties Account

INCOME

| 1948–49 | | | 1949–50 |
|---|---|---|---|
| £ | | £ s. d. | £ s. d. |
| | Rents Received from Properties, at : | | |
| 246 | Malet Place, East Side ... ... ... ... ... ... | 307 14 10 | |
| 567 | 114–116 Gower Street ... ... ... ... ... ... | 462 14 0 | |
| 128 | 40 Sandwich Street ... ... ... ... ... ... | 95 4 6 | |
| 40 | Foster Court (St. Pancras Electricity Sub-Station) ... ... | 40 0 0 | |
| — | „ „ Window Rent ... ... ... ... ... | 5 0 | |
| 110 | 134 Gower Street ... ... ... ... ... ... | 110 0 0 | |
| 5,922 | 25 Gordon Street (Seamen's Hospital) ... ... ... | 5,500 0 0 | |
| 26 | 88–98 (even) Gower Street and 16–24 Gordon Square ... | 1,940 6 3 | |
| 7,039 | | | 8,456 4 7 |
| £7,039 | | | £8,456 4 7 |

PAYMENTS

| Item | Project | 1941–49 £ | s. | d. | 1949–50 £ | s. | d. | Total £ | s. | d. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1. | Preparation of Plans for Reconstruction of the College | 10,511 | 10 | 1 | 4,005 | 17 | 2 | 14,517 | 7 | 3 |
| 2. | Reconstruction of Main Building | 59,893 | 4 | 4 | 72,204 | 14 | 5 | 132,097 | 18 | 9 |
| 3. | Huts and Equipment | 53,299 | 12 | 5 | 495 | 7 | 8 | 53,795 | 0 | 1 |
| 4. | Excavation to East of South Cloisters | 4,698 | 6 | 9 | 480 | 2 | 6 | 5,178 | 9 | 3 |
| 5. | Refectory Equipment | 18,273 | 16 | 3 | 782 | 19 | 5 | 19,056 | 15 | 8 |
| 6. | Junior Chemistry Laboratory | 23,144 | 14 | 2 | 242 | 14 | 3(Cr.) | 22,901 | 19 | 11 |
| 7. | Hostels—Initial Expenditure | 14,981 | 14 | 10 | 397 | 9 | 10 | 15,379 | 4 | 8 |
| 8. | New Laundry, etc. | 4,177 | 0 | 8 | | — | | 4,177 | 0 | 8 |
| 9. | Equipment of Engineering Workshop | 5,801 | 16 | 11 | 159 | 16 | 5 | 5,961 | 13 | 4 |
| 10. | Reorganisation of College Electricity System | 96,411 | 7 | 0 | 39,443 | 3 | 4 | 135,854 | 10 | 4 |
| 11. | Auxiliary Generating Plant | 14,293 | 16 | 10 | 2,854 | 6 | 10 | 17,148 | 3 | 8 |
| 12. | New Boilers for Chemistry Dept. | 1,354 | 9 | 7 | 5,876 | 1 | 7 | 7,230 | 11 | 2 |
| 13. | Steam Lines for New Boilers | 3,625 | 17 | 7 | 974 | 18 | 3 | 4,600 | 15 | 10 |
| 14. | Chemistry Fume Cupboard Extractors | 127 | 1 | 11 | 11 | 19 | 6 | 139 | 1 | 5 |
| 15. | Chemistry Crystallography Laboratory | 4,365 | 11 | 1 | 962 | 3 | 2 | 5,327 | 14 | 3 |
| 16. | Arrears of Maintenance, Decoration, etc. | 26,484 | 15 | 11 | 18,661 | 3 | 5 | 45,145 | 19 | 4 |
| 17. | Accommodation for Town Planning Dept. | 2,195 | 9 | 7 | 1 | 18 | 3 | 2,197 | 7 | 10 |
| 18. | Tunnel for Electric Supply Cables and Steam Heating Plant | 10,887 | 10 | 0 | 5,287 | 5 | 5 | 16,174 | 15 | 5 |
| 19. | Temporary Furniture Store | 3,125 | 16 | 7 | 1 | 18 | 3 | 3,127 | 14 | 10 |
| 20. | Phonetics Sound-proof Room | 3,012 | 2 | 7 | 155 | 15 | 4 | 3,167 | 17 | 11 |
| 21. | Animal House | 3,274 | 5 | 3 | 3,909 | 16 | 9 | 7,184 | 2 | 0 |
| 22. | Alterations and Additions to Anatomy Dept. | 912 | 6 | 7 | | — | | 912 | 6 | 7 |
| 23. | Alterations to Engineering Faculty | 3,314 | 13 | 11 | 6,436 | 4 | 1 | 9,750 | 18 | 0 |
| 24. | Chemistry Alterations and Extensions | 28 | 10 | 0 | | — | | 28 | 10 | 0 |
| 25. | Electronic Workshop | 1,066 | 4 | 10 | 1,452 | 7 | 0 | 2,518 | 11 | 10 |
| 26. | Office Equipment and Furniture | 1,968 | 4 | 2 | 3,605 | 7 | 1 | 5,573 | 11 | 3 |
| 27. | Departmental Apparatus and Equipment | 25,101 | 3 | 3 | 13,535 | 16 | 9 | 38,637 | 0 | 0 |
| 28. | Botany Greenhouse | 253 | 16 | 7 | 193 | 13 | 2 | 447 | 9 | 9 |
| 29. | War Damage Repairs | 43,991 | 9 | 4 | | — | | 43,991 | 9 | 4 |
| 30. | Reparation of Air Raid Damage—Ramsay Chemical Engineering Laboratory | 17,501 | 5 | 10 | 271 | 15 | 0 | 17,773 | 0 | 10 |
| 31. | Miscellaneous Minor Works | 2,343 | 17 | 3 | 2,447 | 14 | 3 | 4,791 | 11 | 6 |
| 32. | Conversion of Room in Architecture for Botany Dept. | 2,825 | 17 | 3 | 856 | 17 | 9 | 3,682 | 15 | 0 |
| 33. | 24–26 Gordon Square | 6,647 | 6 | 11 | 20,037 | 0 | 7 | 26,684 | 7 | 6 |
| 34. | Library | 554 | 1 | 6 | 13,722 | 19 | 11 | 14,277 | 1 | 5 |
| 35. | Pharmacology Alterations | 969 | 7 | 8 | 386 | 5 | 7 | 1,355 | 13 | 3 |
| 36. | Furniture for New Library | 5 | 11 | 9 | | — | | 5 | 11 | 9 |
| 37. | Physics Department—Reinstatement | 1,687 | 12 | 6 | 1,023 | 14 | 0 | 2,711 | 6 | 6 |
| 38. | Egyptology Collection | 85 | 14 | 6 | 5,277 | 9 | 0 | 5,363 | 3 | 6 |
| 39. | Telephone Switchboard | 71 | 0 | 1 | 6,568 | 3 | 5 | 6,639 | 3 | 6 |
| 40. | Lockers | 294 | 14 | 0 | 486 | 10 | 0 | 781 | 4 | 0 |
| 41. | Foster Court—Soundproofing | 3,000 | 0 | 0 | 2,205 | 4 | 5 | 5,205 | 4 | 5 |
| 42. | Gordon Street Cycle Shed and Battery House | 31 | 12 | 11 | 1,618 | 9 | 0 | 1,650 | 1 | 11 |
| 43. | 17 Gordon Street | 2,098 | 7 | 8 | 511 | 0 | 9 | 2,609 | 8 | 5 |
| 44. | Chemistry Storage Cupboards | 1,333 | 5 | 7 | | — | | 1,333 | 5 | 7 |
| 45. | Hostels Development Scheme | 10 | 10 | 0 | 9 | 9 | 0 | 19 | 19 | 0 |
| 46. | Incinerator | 560 | 0 | 11 | 107 | 3 | 2 | 667 | 4 | 1 |
| 47. | Chemistry Area Vaults | | — | | 86 | 16 | 8 | 86 | 16 | 8 |
| 48. | New Physics Building | | — | | 159 | 2 | 0 | 159 | 2 | 0 |
| 49. | Purchase of Property from Bedford Estate—Initial Expenditure | | — | | 4,766 | 10 | 0 | 4,766 | 10 | 0 |
| 50. | Professional Fees—War Damage Claims | | — | | 2,100 | 0 | 0 | 2,100 | 0 | 0 |
| 51. | Superintendent of Works Office | | — | | 1,259 | 12 | 0 | 1,259 | 12 | 0 |
| 52. | Squash Court Site | | — | | 16 | 8 | 0 | 16 | 8 | 0 |
| 53. | Botany—New Laboratory | | — | | 4,232 | 7 | 11 | 4,232 | 7 | 11 |
| 54. | Gymnasium Seating | | — | | 353 | 18 | 0 | 353 | 18 | 0 |
| 55. | Fine Art Library | | — | | 306 | 3 | 9 | 306 | 3 | 9 |
| 56. | Temporary Accommodation (Removal of Library Books) | | — | | 71 | 5 | 0 | 71 | 5 | 0 |
| 57. | Preparation of Plans for College Development | | — | | 2,194 | 14 | 4 | 2,194 | 14 | 4 |
| 58. | Temporary Accommodation | | — | | 4 | 17 | 6 | 4 | 17 | 6 |
| 59. | Chemistry Noise Protection | | — | | 534 | 0 | 0 | 534 | 0 | 0 |
| 60. | Works Department Machinery | | — | | 46 | 16 | 10 | 46 | 16 | 10 |
| 61. | 114–116 Gower Street—Adaptation | | — | | 1,105 | 18 | 5 | 1,105 | 18 | 5 |
| | | £480,596 | 15 | 4 | £254,415 | 17 | 7 | £735,012 | 12 | 11 |

# Development Account

RECEIPTS

| Item | War Damage £ | s. | d. | College Funds £ | s. | d. | Miscellaneous Sources £ | s. | d. | Capital Grants £ | s. | d. | Total £ | s. | d. | Balance £ | s. | d. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | — | | | — | | | — | | | | — | | | — | | 14,517 | 7 | 3 | |
| 2. | 85,230 | 0 | 0 | — | | | — | | | 5,000 | 0 | 0 | 90,230 | 0 | 0 | 41,867 | 18 | 9 | |
| 3. | — | | | — | | | — | | | 53,763 | 0 | 0 | 53,763 | 0 | 0 | 32 | 0 | 1 | |
| 4. | — | | | — | | | — | | | 5,178 | 0 | 0 | 5,178 | 0 | 0 | | 9 | 3 | |
| 5. | — | | | — | | | — | | | 15,688 | 0 | 0 | 15,688 | 0 | 0 | 3,368 | 15 | 8 | |
| 6. | — | | | — | | | — | | | 18,400 | 0 | 0 | 18,400 | 0 | 0 | 4,501 | 19 | 11 | |
| 7. | — | | | — | | | 8,000 | 0 | 0 | 7,000 | 0 | 0 | 15,000 | 0 | 0 | 379 | 4 | 8 | |
| 8. | — | | | — | | | — | | | 4,177 | 0 | 0 | 4,177 | 0 | 0 | | | 8 | |
| 9. | — | | | — | | | — | | | 5,958 | 0 | 0 | 5,958 | 0 | 0 | | 3 | 13 | 4 |
| 10. | — | | | — | | | — | | | 80,175 | 0 | 0 | 80,175 | 0 | 0 | 55,679 | 10 | 4 | |
| 11. | — | | | 16,990 | 19 | 0 | — | | | | — | | 16,990 | 19 | 0 | 157 | 4 | 8 | |
| 12. | — | | | — | | | — | | | 5,116 | 0 | 0 | 5,116 | 0 | 0 | 2,114 | 11 | 2 | |
| 13. | — | | | — | | | — | | | 3,770 | 0 | 0 | 3,770 | 0 | 0 | 830 | 15 | 10 | |
| 14. | — | | | — | | | — | | | 127 | 0 | 0 | 127 | 0 | 0 | 12 | 1 | 5 | |
| 15. | — | | | — | | | — | | | 3,393 | 0 | 0 | 3,393 | 0 | 0 | 1,934 | 14 | 3 | |
| 16. | — | | | — | | | 1,378 | 2 | 5 | 38,289 | 0 | 0 | 39,667 | 2 | 5 | 5,478 | 16 | 11 | |
| 17. | — | | | — | | | — | | | 2,050 | 0 | 0 | 2,050 | 0 | 0 | 147 | 7 | 10 | |
| 18. | — | | | — | | | — | | | 12,380 | 0 | 0 | 12,380 | 0 | 0 | 3,794 | 15 | 5 | |
| 19. | — | | | — | | | — | | | 3,000 | 0 | 0 | 3,000 | 0 | 0 | 127 | 14 | 10 | |
| 20. | — | | | — | | | 100 | 0 | 0 | 2,600 | 0 | 0 | 2,700 | 0 | 0 | 467 | 17 | 11 | |
| 21. | — | | | — | | | — | | | 6,349 | 0 | 0 | 6,349 | 0 | 0 | 835 | 2 | 0 | |
| 22. | — | | | — | | | — | | | 1,000 | 0 | 0 | 1,000 | 0 | 0 | 87 | 13 | 5 | (Cr.) |
| 23. | — | | | — | | | — | | | 9,531 | 0 | 0 | 9,531 | 0 | 0 | 219 | 18 | 0 | |
| 24. | — | | | — | | | — | | | | — | | | — | | 28 | 10 | 0 | |
| 25. | — | | | — | | | — | | | 2,349 | 0 | 0 | 2,349 | 0 | 0 | 169 | 11 | 10 | |
| 26. | — | | | — | | | — | | | 5,078 | 0 | 0 | 5,078 | 0 | 0 | 495 | 11 | 3 | |
| 27. | — | | | — | | | — | | | 32,288 | 0 | 0 | 32,288 | 0 | 0 | 6,349 | 0 | 0 | |
| 28. | — | | | — | | | — | | | | — | | | — | | 447 | 9 | 9 | |
| 29. | 44,111 | 11 | 0 | — | | | — | | | | — | | 44,111 | 11 | 0 | 120 | 1 | 8 | (Cr.) |
| 30. | 15,197 | 2 | 9 | — | | | — | | | 1,250 | 0 | 0 | 16,447 | 2 | 9 | 1,325 | 18 | 1 | |
| 31. | — | | | — | | | — | | | 3,923 | 0 | 0 | 3,923 | 0 | 0 | 868 | 11 | 6 | |
| 32. | — | | | — | | | — | | | 3,642 | 0 | 0 | 3,642 | 0 | 0 | 40 | 15 | 0 | |
| 33. | — | | | — | | | — | | | 16,156 | 0 | 0 | 16,156 | 0 | 0 | 10,528 | 7 | 6 | |
| 34. | — | | | — | | | — | | | | — | | | — | | 14,277 | 1 | 5 | |
| 35. | — | | | — | | | — | | | 1,355 | 0 | 0 | 1,355 | 0 | 0 | | 13 | 3 | |
| 36. | — | | | — | | | — | | | | — | | | — | | 5 | 11 | 9 | |
| 37. | — | | | — | | | — | | | 560 | 12 | 6 | 560 | 12 | 6 | 2,150 | 14 | 0 | |
| 38. | — | | | — | | | — | | | 3,351 | 0 | 0 | 3,351 | 0 | 0 | 2,012 | 3 | 6 | |
| 39. | — | | | — | | | — | | | 6,620 | 0 | 0 | 6,620 | 0 | 0 | 19 | 3 | 6 | |
| 40. | — | | | — | | | — | | | 781 | 0 | 0 | 781 | 0 | 0 | | 4 | 0 | |
| 41. | — | | | — | | | — | | | 5,197 | 0 | 0 | 5,197 | 0 | 0 | 8 | 4 | 5 | |
| 42. | — | | | — | | | — | | | 1,645 | 0 | 0 | 1,645 | 0 | 0 | 5 | 1 | 11 | |
| 43. | — | | | — | | | — | | | 1,950 | 0 | 0 | 1,950 | 0 | 0 | 659 | 8 | 5 | |
| 44. | — | | | — | | | — | | | 1,333 | 7 | 6 | 1,333 | 7 | 6 | | 1 | 11 | (Cr.) |
| 45. | — | | | — | | | — | | | | — | | | — | | 19 | 19 | 0 | |
| 46. | — | | | — | | | — | | | 664 | 0 | 0 | 664 | 0 | 0 | 3 | 4 | 1 | |
| 47. | — | | | — | | | — | | | | — | | | — | | 86 | 16 | 8 | |
| 48. | — | | | — | | | — | | | | — | | | — | | 159 | 2 | 0 | |
| 49. | — | | | — | | | — | | | | — | | | — | | 4,766 | 10 | 0 | |
| 50. | — | | | — | | | — | | | | — | | | — | | 2,100 | 0 | 0 | |
| 51. | — | | | — | | | — | | | 1,242 | 0 | 0 | 1,242 | 0 | 0 | 17 | 12 | 0 | |
| 52. | — | | | — | | | — | | | | — | | | — | | 16 | 8 | 0 | |
| 53. | — | | | — | | | — | | | 2,723 | 0 | 0 | 2,723 | 0 | 0 | 1,509 | 7 | 11 | |
| 54. | — | | | — | | | — | | | 354 | 0 | 0 | 354 | 0 | 0 | | 2 | 0 | (Cr.) |
| 55. | — | | | — | | | — | | | | — | | | — | | 306 | 3 | 9 | |
| 56. | — | | | — | | | — | | | | — | | | — | | 71 | 5 | 0 | |
| 57. | — | | | — | | | — | | | | — | | | — | | 2,194 | 14 | 4 | |
| 58. | — | | | — | | | — | | | | — | | | — | | 4 | 17 | 6 | |
| 59. | — | | | — | | | — | | | | — | | | — | | 534 | 0 | 0 | |
| 60. | — | | | — | | | — | | | | — | | | — | | 46 | 16 | 10 | |
| 61. | — | | | — | | | — | | | 467 | 0 | 0 | 467 | 0 | 0 | 638 | 18 | 5 | |
| | £144,538 | 13 | 9 | £16,990 | 19 | 0 | £9,478 | 2 | 5 | £375,873 | 0 | 0 | £546,880 | 15 | 2 | £188,131 | 17 | 9 | |

# UNIVERSITY OF LONDON

## General Balance Sheet of the

### LIABILITIES, CAPITAL ACCOUNT, RESERVES AND OTHER FUNDS

| 1948–49 £ | | £ s. d. | 1949–50 £ s. d. | £ s. d. |
|---|---|---|---|---|
| 826,126 | **College General Capital Account** ... | | 826,125 16 11 | |
| | **Mortgage Loans** :— | | | |
| | Gordon Street Frontage—Prudential Assurance Co. Ltd. ... ... ... ... | 50,000 0 0 | | |
| | *Less* Principal repaid to date ... ... | 10,073 2 2 | | |
| 41,925 | | | 39,926 17 10 | |
| | Seamen's Hospital—Equitable Life Assurance Society ... ... ... ... | 44,000 0 0 | | |
| | *Less* Principal repaid to date ... ... | 7,543 0 11 | | |
| 0,299 | | | 36,456 19 1 | |
| | **Treasury Loan for College Flats** ... ... | 39,500 0 0 | | |
| | *Add* Accrued Interest Capitalised ... ... | 1,445 15 5 | | |
| | | 40,945 15 5 | | |
| | *Less* Principal repaid to date ... ... | 1,295 18 11 | | |
| 40,520 | | | 39,649 16 6 | |
| — | **Treasury Interest Free Loan for Gower Street and Gordon Square Properties** ... | | 127,650 0 0 | |
| 948,870 | | | | 1,069,809 10 4 |
| | **Sundry Funds** :— | | | |
| 1,872 | Loan Funds ... ... ... ... ... ... | | 1,837 2 1 | |
| 38,798 | Reserve Funds ... ... ... ... ... ... | | 39,458 17 8 | |
| 99,191 | Special Funds ... ... ... ... ... ... | | 98,716 5 1 | |
| 32,728 | Unexpended Balances ... ... ... ... ... | | 39,350 12 0 | |
| 172,589 | | | 179,362 16 10 | |
| | **Appropriation Account:**— | | | |
| | General ... ... ... ... ... | 11,129 3 3 (Cr.) | | |
| | Medical ... ... ... ... ... | 9,121 7 2 (Dr.) | | |
| 12,727 | Social Sciences ... ... ... ... | 53 11 8 (Dr.) | | |
| | | | 1,954 4 5 | |
| 185,316 | | | | 181,317 1 3 |
| | **Current Liabilities:**— | | | |
| | Loan from University on account of Court Grant 1950–51 ... ... ... ... ... ... | | 120,000 0 0 | |
| 38,455 | *Bank Overdraft* ... ... ... ... ... ... | | | |
| 81,802 | Creditors and Accrued Expenses ... ... ... ... | | 44,207 2 11 | |
| 1,393 | Fees in Suspense ... ... ... ... ... ... | | 2,168 19 3 | |
| 121,652 | | | | 166,376 2 2 |
| | **Superannuation Funds:**— | | | |
| 1,234 | Held on behalf of Beneficiaries ... ... ... ... | | | 472 12 10 |
| 4,407 | **Redemption Funds** ... ... ... ... ... ... | | | 19,323 11 9 |
| 1,261,479 | | | | 1,437,298 18 4 |
| | **Trust Funds:**— | | | |
| 1,043,190 | Liabilities and Capital ... ... ... ... ... | | | 1,033,220 19 8 |
| £2,304,669 | | | | £2,470,519 18 0 |

We have examined the above Balance Sheet as at 31st July 1950 and vouchers relating thereto, and certify them as being properly drawn

3 Frederick's Place, Old Jewry, London, E.C.2.
29th December 1950.

# UNIVERSITY COLLEGE

## College at 31st July 1950

ASSETS AND REHABILITATION AND DEVELOPMENT EXPENDITURE

| *1948-49* £ | | 1949-50 £ s. d. | £ s. d. |
|---|---|---|---|
| | **College Freehold Lands, Buildings, Furniture, Library, etc.,** being the Land with the Buildings of the College :— | | |
| *743,850* | General Properties ... ... ... ... ... ... | 743,850 1 1 | |
| *82,750* | Gordon Street Frontage (25–28 Gordon Square and 3–23 (odd) Gordon Street) ... ... ... ... ... | 82,750 2 5 | |
| *38,098* | 1, 3 and 5 Hornton Street ... ... ... ... ... | 47,827 9 6 | |
| *525* | Fitzroy Street Properties (Preliminary Expenditure) ... | 524 15 0 | |
| *4,850* | 33 Broadhurst Gardens ... ... ... ... ... | 4,850 0 0 | |
| *93,032* | Seamen's Hospital ... ... ... ... ... ... | 93,031 17 6 | |
| — | Gower Street and Gordon Square Properties (88–98 (even) Gower Street and 16–24 Gordon Square) ... ... ... | 127,650 0 0 | |
| *963,105* | | 1,100,484 5 6 | |
| | **College Leasehold Property** :— £ s. d. | | |
| | 37 and 38 Nevern Square ... ... ... 16,081 15 10 | | |
| *19,141* | *Less* Leasehold Depreciation ... ... ... 45 0 0 | 16,036 15 10 | |
| *982,246* | | | *1,116,521 1 4 |
| | **Rehabilitation and Development Account** :— | | |
| *133,921* | Payments, less receipts to date, on account of capital works in progress, deferred expenditure and expenditure on reconstruction of properties damaged by enemy action | | *188,131 17 9 |
| | **Note.*—The values at which these assets appear in the Balance Sheet will be subject to adjustment on settlement of War Damage claims for properties destroyed and damaged. | | |
| | **General College Funds** :— | | |
| *100,415* | Investments, at Book Value ... ... ... ... ... (Market Value at 31st July 1950—£64,925). | | 73,271 18 10 |
| | **Current Assets** :— | | |
| — | Cash at Bank ... ... ... ... ... ... ... | 12,177 19 4 | |
| *5,086* | Stores (Works Material and Furniture) ... ... ... | 5,531 3 8 | |
| *5,014* | National Insurance Stamps ... ... ... ... ... | 5,248 16 11 | |
| *2,704* | Refectory Advances ... ... ... ... ... ... | 7,241 14 7 | |
| *31,439* | Debtors and Payments in Advance ... ... ... ... | 28,695 11 2 | |
| *44,243* | | | 58,895 5 8 |
| | **Superannuation Funds** :— | | |
| *398* | Investments, at Book Value ... ... ... ... ... (Market Value at 31st July 1950—£85). | | 91 13 3 |
| | **Redemption Funds** :— | | |
| *256* | Investments ... ... ... ... ... ... ... ... | | 387 1 6 |
| *1,261,479* | | | 1,437,298 18 4 |
| | **Trust Funds** :— | | |
| *1,043,190* | Assets ... ... ... ... ... ... ... ... | | 1,033,220 19 8 |
| *£2,304,669* | | | £2,470,519 18 0 |

and relative Income and Expenditure Accounts with the books, accounts up and in accordance therewith.

(Signed) PRICE, WATERHOUSE & CO.,
*Chartered Accountants.*

# APPENDIX V

## ASSEMBLY OF THE FACULTIES OF UNIVERSITY COLLEGE LONDON

27th June 1950

Chairman: The Rt. Hon. Lord Normand, LL.D., Chairman of the College Committee.

Special Visitor: Mr. Arthur Bryant, C.B.E., M.A., LL.D.

### REPORT OF THE PROVOST ON THE SESSION 1949–50

My Lord Chairman—

At the Assembly of Faculties last year I was able to announce that Lord Normand had accepted an invitation to become Chairman of our College Committee. This year we are happy to have him presiding at our Assembly at the close of a session during which he has established himself firmly in the life and affections of the College. Lord Normand has been constantly among us throughout the session. He has visited every department of the College and has met most of the staff and many of the students. From the first occasion last autumn when I held a dinner party to welcome Lord and Lady Normand to the College they have been tireless in their attendance at many of our social functions and I can assure them that their interest in the many aspects of College life has been greatly appreciated by us all.

We have had occasion to welcome as new members of the College Committee during the session Professor A. V. Hill, Professor Neale, Professor Winton, Dr. Duncanson and Dr. Gibbs from within the College: in addition, Mr. Hilary Macklin and, as new representatives of the London County Council, Mrs. Chaplin and Mr. McKinnon Wood.

This is the occasion for me to express on your behalf our farewells and good wishes to those who will be leaving the College staff this year and especially to those who by long association and personal distinction have enhanced the great name of University College. Professor Willoughby retires from the Chair of German which he has held for nineteen years, and we are happy to learn that he has accepted the Honorary Directorship of the newly established Institute of Germanic Studies. Professor

Kapp retires from the Pender Chair of Electrical Engineering which he has filled since 1935 and Professor Sir Cyril Burt, who has been Head of the Department of Psychology since 1932, also retires this summer. Our losses from the Professoriate have, indeed, been heavier than usual this year, for, in addition to the retirements just mentioned, three Professors have resigned during the course of the session to take up appointments outside the University. Professor Andrade who had held the Quain Chair of Physics since 1928 was appointed on January 1st this year as Fullerian Professor and Director of the Davy Faraday Laboratory at the Royal Institution. Professor Hart, the first holder of our Chair of Surveying and Photogrammetry, left us in March on his appointment as Vice-Chancellor of the new University of Engineering and Applied Sciences at Roorkee in the United Provinces of India; and last, but not least, Professor de Beer left us in April having accepted the Directorship of the Museum of Natural History at South Kensington. Early in the session we lost also two of our Readers on their appointment to Chairs at other Colleges in the University. Dr. Jane became Professor of Botany at Royal Holloway College and Dr. Buchanan was appointed Professor of Geography at the London School of Economics. More recently, Mr. King, Reader in the Department of Physics, has resigned on his appointment to the staff of the Royal Institution.

Many will regret, and no one more than myself, the resignation of Mrs. Davis from the post of Tutor to Women Students. During the the four years she has held it since the war, she has re-established the post as an important part of the College organisation. She will be succeeded by Miss Lewton Brain, who is at present a postgraduate student in the Department of French.

To set against our losses in the professorial field, we were able last October to welcome Professor Coldstream to the Slade Chair of Fine Art and Professor Wittkower to the Durning-Lawrence Chair of the History of Art, thus providing a welcome strengthening of the Slade School. Dr. A. H. Smith, of our own English Department, succeeded to the Quain Chair of English Language and Literature which had been vacant since the retirement of Professor R. W. Chambers in 1941. Professor Darby came from Liverpool to fill the Chair of Geography and Dr. G. L. Brown has been appointed Jodrell Professor of Physiology. Mr. Powell came at the beginning of the session from University College, Hull, to the newly established Readership in the Faculty of Laws and

Dr. Freeman has filled the Readership in Taxonomy in the Department of Zoology. The title of Professor of Chemistry has been conferred upon Dr. Kathleen Lonsdale, who thus adds to her pioneer achievement of being the first woman Fellow of the Royal Society that of being the first woman Professor at University College.

Having reconciled ourselves to the loss of Professor F. G. Young on his appointment last year to the Sir William Dunn Chair of Biochemistry at Cambridge, I am glad to say that my old University has done its best to repair the damage done to our Department of Biochemistry by providing us in January with his distinguished successor Professor Baldwin.

Other moves on the academic chessboard will enable us to fill most of our vacant Chairs by next October. Inside the College Professor Massey will move in October from the Goldsmid Chair of Mathematics to the Quain Chair of Physics, and Professor Barlow will succeed Professor Kapp in the Pender Chair of Electrical Engineering. We look forward to welcoming Mr. Leonard Forster of Selwyn College, Cambridge, as Professor Willoughby's successor in the Chair of German; and also Professor Glanville Williams of the London School of Economics who has been appointed to our newly established Chair of Jurisprudence. For Professor Burt's successor in the Chair of Psychology we have gone far afield and I am glad to announce the appointment of Professor Roger Russell, Associate Professor at the University of Pittsburgh, who has been in this country during the present session as an Advanced Research Scholar under the Fulbright Scheme.

We have been glad to welcome here also during the session Professor Bunnett from Reed College, U.S.A., who has spent the session in the Department of Chemistry as a Fulbright Advanced Research Scholar and we have to congratulate two members of the College staff, Dr. Millen of the Department of Chemistry and Mr. Thomson of the Department of Philosophy, who have been awarded Commonwealth Fund Fellowships which they will hold at Harvard University next session.

As in every year since the war I have again to report an increase in the academic staff, this time to 445, of whom just over fifty are honorary members. It may interest you to know that of this number 47 are Professors and 39 Readers—this out of a total of 324 Professors and 214 Readers in the whole University. I am happy to say that the ranks of

our Readers have again been strengthened by the conferment of the title upon Dr. Burhop, Dr. David, Dr. Kerly and Mr. Kestelman.

Among distinctions conferred upon the staff of the College since my last report, Professor Neale has been made a Fellow of the British Academy and an Honorary Foreign Member of the American Academy of Arts and Sciences; Professor D. M. S. Watson an Honorary Fellow of the Royal Society of Edinburgh and Professor de Beer an Honorary Member of the Zoological Society of France. Dr. Underwood has been made an Honorary Fellow of the Italian and Brazilian Societies of the History of Medicine. In addition the title of Professor Emeritus has been conferred during the session upon Professors Andrade, Lovatt Evans, Fawcett and Daniel Jones who retired last year. The degree of Honorary D.Sc. has been conferred on Emeritus Professor Fawcett by Clark University in the U.S.A. where he is spending this year as Visiting Professor.

Elections to the Fellowship of University College take place in alternate years and this year the Senate has, on the recommendation of the College Committee, appointed nine former students who have gained special distinction in Art, Science, Literature or Public Life, to the Fellowship of the College. In addition, Sir Robert Waley Cohen's long and devoted service to the interests of the College was marked by his election to the Honorary Fellowship, as was Sir Hilary Jenkinson's distinguished connection with us. The nine past students elected to the Fellowship were the Vice-Chancellor of the University, Professor Lillian Penson; the Chief Rabbi of the British Commonwealth of Nations, the Very Rev. Rabbi Israel Brodie; Professor James Cook, F.R.S., Regius Professor of Chemistry in the University of Glasgow; Dr. Joan Evans, the archaeologist and antiquarian; Miss Dora Limebeer, who has rendered distinguished service to the cause of secondary education; Dr. Kenneth Mees, F.R.S. of the Eastman Kodak Company; Dr. Cyril Oakley, F.R.S. of the Wellcome Laboratory; Professor Theodore Plucknett, F.B.A. of the London School of Economics; and Emeritus Professor Charles Singer, who was Professor of the History of Medicine at this College. The Inauguration Ceremony of the new Honorary Fellows and Fellows was held on April 28th and was followed by the Annual Fellows Dinner at which the toast of the New Fellows was proposed by Dr. Walshe and that of the College by Sir William Strang.

While speaking of the Fellows I must call to mind the death, since our last Assembly, of Dr. John Neville Keynes. Elected Fellow of the College in 1876, he was for many years Registrary of the University of Cambridge and when he died last year at the age of 97 he had been for 18 years our Senior Fellow. He is succeeded in that distinction by Mr. Nathaniel Micklem, who was elected in 1882.

I have to report that, following on the Inspection of the Faculties of Arts and Science last session, the Faculty of Medical Sciences has this year been visited by the University Inspectors, thus bringing to an end the first complete cycle of Senate Inspections since the war. Our next inspection will be in the shape of a Visitation from the University Grants Committee in January 1951.

Our public lecture programme this session has been a very full one and has included three of our endowed lectures. The Seton Memorial Lecture on " The Teaching of St. Francis on Religious Obedience and Poverty " was delivered by the Rev. M. D. Knowles of Peterhouse, Cambridge. The Shearman Lectures on " Fundamental Ideas and Problems in Meta-Mathematics " were given by Professor Alfred Tarski of the University of California, and the Rickman Godlee Lecture was recently given by Mr. Popham, the Keeper of Prints and Drawings at the British Museum, on the subject of " Collectors and Collections of Drawings ". The Lunch Hour Lectures have continued throughout the session under the direction of Professor Ayer, and in addition 15 courses of lectures in the series of Special University Lectures have been delivered at this College. The lecturers in this series have come from far and wide, from Harvard, from California, from Amsterdam, Brussels, Copenhagen, Münster, Paris, and Rome as well as from Cambridge and other universities in this country. Members of the Universities of Chicago, Milan, Paris, Pisa and Salonika, visiting this country, have delivered lectures in the College's own public lecture programme. Members of our own staff have contributed to the programme, and, in particular, inaugural lectures have been delivered by Professors Baldwin, G. L. Brown, Darby, Lonsdale, A. H. Smith and Wittkower. In all, 97 courses or single lectures have been delivered, making a total of 157 public lectures during the session.

The far-ranging influence of the College staff can be gauged from a list of their journeyings to foreign universities during the session. Professor Massey was in Australia during last summer, Professor

Webster in Paris and Sweden, Professor Humphreys in South America and Professor A. H. Smith in Iceland. Professor Forde was Visiting Professor at the University of California during the same period. He also visited other American Universities and has since been to Nigeria. During the first term of the session Professor Willoughby attended the Goethe Bicentenary Celebrations at the University of Toronto, where he was Visiting Professor, and also lectured at other Canadian and American Universities. Professor D. M. S. Watson accepted an invitation to attend the Annual Meeting of the Ceylon Association of Science. Professor Ingold has been to Spain and Italy and Professor Hughes to Montpellier. Professor Haldane has visited Paris and Vienna, Professor Bellot has paid two visitis to African Universities, and Professor Winton has been to University College, Ibadan, Nigeria, and also to Germany. Professor Ayer is at the moment attending the Congress for Cultural Freedom in Berlin, and Professor G. L. Brown is visiting the University of Malaya. Professor J. Z. Young has visited the Naples Zoological Station and Professor Weiss has been to Pisa and Naples. Professor Kapp was the Leader of the British Delegation to the International Electro-Technical Commission at Streza and Professor Lloyd-Evans attended congresses at Grenoble and Toulouse last summer. Professor Černý and Mr. Arkell have taken part in excavations in Egypt and in the Sudan. Our Librarian, Mr. Wilks, has visited the Scandinavian countries where he was accorded a most notable welcome and obtained many books for the re-establishment of our Scandinavian Studies Library. Dr. Schwarzenberger has lectured in Paris and at several of the German universities, and Mr. Bindoff, also, has lectured in Germany and Holland. Dr. Chubb has spent most of the session carrying out geological research in Jamaica. Many members of the staff will be attending international congresses during the Long Vacation. After such a recital you may perhaps wonder how the students have fared that were left behind in Gower Street. I can reassure you that they have had all the teaching that is good for them and that, thanks to travel by air, this world-wide intellectual exchange can be maintained with a surprisingly few weeks of absence during the terms. A week-end in Africa is now almost a commonplace to the modern university professor.

This is not the place for me to make a full report of all the gifts the College has received during the last year, but I should like to mention

especially the generosity of the Nuffield and Rockefeller Foundations which have made research grants during the session for the furtherance of work in the Medical and Science Faculties. The College greatly values the interest taken by those foundations in its work.

Of our rebuilding programme much might be said. Instead of an academic oasis our front quadrangle has for years, now, been a combination of a builder's yard and a car park. We look to see it cleared of huts and motor cars and derelict observatories; a place of smooth green lawns, disturbed only by distant sounds of invisible traffic; a fit setting for study; and for the romantic associations of which the portico steps have seen so many beginnings, but this is a report on the past session, not a romance, and I must restrict myself broadly to that. And yet the present position is meaningless except in relation to future plans, and moreover, so much time and effort have been spent in these last months upon plans that they find a proper place in my report.

I mentioned at this time last year the recent acquisition by the College of the freeholds of nearly all the remaining property comprised within the College rectangle. This provided a basis for the long-term planning of an ideal College, both in size and composition. Having obtained the requirements from the academic aspect, a broad general plan for the ultimate location of departments within our rectangle has been laid out. It has been found that this area and the estimated space required for our long term academic plans are in satisfactory agreement. The question of what can be achieved during the next quinquennium 1952–57 is now the urgent concern of the Planning Committee. The answer to this riddle will only be known when we learn the policy of the Government in allocating money and building facilities for the benefit of the universities of the country. In the meanwhile, it is for us to arrange our major building projects in successive stages in an order of priority, each project of limited size and complete in regard to detailed plans so that a firm price for it can be tendered when its time comes.

Our first project was the rehabilitation of the dome and the central main building, now approaching completion; our second is the building of the north and south junctions at the two ends of the main building; our third is our new Physics buildings and our fourth either the completion of the Gower Street front or a new building for the biological

sciences on some of the bombed sites near the present Anatomy building in Gower Street.

Plans, however, are for those who come after. What of achievement ? Of finished rebuilding we can point to the dome and to an animal house; both noble of their kind, but not going far to meet the very human needs of staff and students. The first of our academic departments to benefit from the rebuilding programme will be those of History and Economics. These, with their libraries will, by October, be established in three houses on our Gordon Square boundary, and by this move will provide the first stage of relief to the present overcrowding in Foster Court.

In October we shall bring into use the restored Refectory and the general Library running eastward from the dome. We shall also have in occupation the ground floor and basement of the main building to the south of the dome, but these rooms, alas, will not be put to their proper uses. They will have to provide Council and Committee Rooms and give temporary and much needed relief to the Departments of Geology and Psychology, the Union and the Accountant's Department. This temporary occupation of the main building means unfortunately that the common rooms and cloisters which are planned there will have to remain a dream of the future until the north and south junctions are completed and there is further relief to the congestion. In October also there should be relief for the Botany Department through the completion of its new temporary laboratory, and it will be a great day to which we look forward next session when we can once again see the great Flinders Petrie Egyptological collection available for students, although here again in temporary premises.

The student population is now at the highest figure in the history of the College. It is nearly 3,600, of whom just over 700 are post-graduates. The growth of the number of postgraduate students has led to the establishment in the College of the post of Adviser to Post-graduate Students. In the present state of our accommodation when postgraduate students have no common room facilities of their own, it is difficult for those of them who arrive here after taking a first degree elsewhere to make contact with other students of common interests. It is confidently expected that the new experiment will help many of them in such difficulties. Contacts, not only between the postgraduates but between all staff and students, will inevitably be hampered until

such time as we have more and better accommodation, but I am glad to say that the Staff-Student Dinners, which were started last session to give opportunities for informal association between the two, have continued this session with equal success and have now, I think, established themselves as a feature of College life.

The two blocks of staff flats, in Nevern Square and Hornton Street, have been fully occupied since January and running smoothly—apart from a few teething troubles. And at last there is a real prospect of achieving a substantial start with a hostel for men students. We have recently acquired the lease of a block of 13 houses in Cartwright Gardens about eight minutes' walk from the College. These, when fully equipped, will accommodate about 180 students and it is hoped that it will be possible to provide for substantial numbers at the beginning of next term.

The Student Health Centre has continued its most valuable work this session, with accommodation in two of the Gordon Street houses. It has developed rapidly and now has the services of a full-time sister and one full-time and one part-time doctor. The increase of the use of the health services can be seen from the growth in the figures of attendances at the Health Centre—about 2,300 in 1947–48, 3,000 the next year and approximately 4,000 during the present session. It is hoped that by the beginning of the new quinquennium in 1952 this pioneer development may have become established on a permanent and satisfactory financial basis and that extension will be possible into the field of dentistry.

The great number of student societies makes it impossible for me to mention their activities in a report of this kind. I can make only brief mention of the three Associated Societies of the Union—the Debating, Dramatic and Music Societies. The Debating Society has had a full and successful programme of which the highlight was a visit from distinguished members of the Oxford Union. The Music Society has continued its normal orchestral and choral acitivities and the Madrigal Group has achieved a notable public success in its several invitations from the B.B.C. to give broadcast programmes. Notable enterprise has been shown, too, in the organisation of short lunch time recitals that have been much appreciated. These have been in addition to the regular lunch time gramophone recitals.

The Dramatic Society, after performing a play at the World Youth

Festival at Budapest during last Summer Vacation, opened the session with a presentation of Farquhar's "Recruiting Officer" before Christmas, and followed this up with Christopher Fry's "The First-born" in Foundation Week. For the occasion of the annual meeting of the Classical Association which was held here in January, the Classical Society of the College presented a scholarly, but also most lively, production of the "Mostellaria" of Plautus by its own members. I hear rumours that next session the Classical Department plans to carry our education a stage further and that Oxford and Cambridge will not be allowed to maintain their monopoly in the Greek Drama.

In January this year the Dramatic Society gave the farewell production of "The Little Plays of St. Francis". With the exception of the war years, the performance of "The Little Plays" has been an annual event since 1924, but their production is an arduous undertaking and the Dramatic Society feels that the series can appropriately be brought to a close after a quarter of a century of activity.

It now only remains for me to read the list of the principal scholarships, prizes and medals, awarded to members of the College.

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The Provost then announced the names of the chief Scholars, Medallists and Prizemen.

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## THE CHAIRMAN

Mr. Provost, Ladies and Gentlemen—

The Special Visitor to this Assembly is Mr. Bryant. It would be both impertinent and superfluous for me to take up time in introducing to you one so distinguished in history and literature. I will therefore, without more words, ask Mr. Bryant to address you.

## MR. ARTHUR BRYANT'S ADDRESS

My Lord Chairman, Mr. Provost, Ladies and Gentlemen—

It is, I need scarcely say, a very great honour to be permitted to speak on such an occasion as this and to so distinguished an audience and so historic a foundation.

My only claim, if I have any, to speak is in my own calling as a historian. And what I propose to do, if you will forgive me, in the short time available is to try to suggest from our history, as I see it, where we stand to-day.

Perhaps we can sometimes see the road ahead a little more clearly by looking back at the road we have travelled. I want to keep only to essentials and to try merely to see what is so difficult to see—the wood for the trees. To do that, I suggest, we need not go back to the Angles and the Jutes, to Ethelred and Ethelwulf or Ethelward, or to Hardicanute or Harthacnut. I will be brief.

The greatest material fact in our history is that we inhabit an island. Our island situation was at first a source of grave danger and disability to our forebears, because we were so temptingly near the shores of Europe from which we were constantly being invaded by plunderers and pirates and aggressors of one kind or another. Then, gradually, our ancestors, including the successful invaders' descendants, learnt, from experience, to turn their necessity to glorious gain, to encompass our shores with a powerful fleet and so make these narrow seas that surround us serve the office not of a bridge for invaders but as a moat against infection from the hand of war. Thereby we obtained security —security to develop our own island polity and our own forms of ideology and government. Those forms and the spirit that underlies them were intimately connected with that historic fact, the achievement of our island security, something given us partly by geography and Providence and partly won for us by the efforts of our forebears.

I remember how during the Munich crisis, at a time when war seemed absolutely certain within the next day or two and when London was a rather sad and depressed place, a small cockney newsboy was heard calling out the news in a deserted street. "Lite speshul! Lite speshul! Orrible news! Itler swims the Channel!" There, I suggest, was the authentic and historic voice of our country. He was expressing all the assurance—and, if you like, all the complacency—that has come as a result of that long security from invasion, a security which unfortunately science has recently, at any rate for the time being, or perhaps permanently, altered. He was saying, in his uneducated way, what that great First Lord, Lord St. Vincent, said a hundred and forty four years before him, when Napoleon's Grand Army was waiting on the other side of the Straits of Dover. For when nervous people used to

ask him whether the enemy would come, you remember, the old seaman was in the habit of replying, " Come ? Come ? I don't say they won't come. I only say they won't come by water ! "

Now, because of that freedom from sudden danger, the time-factor given England when danger threatened, our forebears were able to build up in this country a form of government diametrically opposed to that centralised authoritarian government of one man or one group of men which seems to be almost essential when a rich nation lives in constant danger and fear of attack. They were able to build up a form of government based on almost diametrically the opposite principle—the principle not of centralised authority, but of the right of every member of the community to criticise, to oppose, and, within legal limits, to obstruct the government of the day. And that has been a factor of immense importance in our own development and in our impact on the outer world. We developed a strongly—I use the word in its political and not in its religious sense—protestant frame of mind, that of a critical people who only reach decisions after full controversy and discussion ; a people who as individuals like to judge and act, within lawful limits, for themselves. I always love the story—a true one—of the old yeoman farmer in the little Northamptonshire village of Silverstone who, when he died about a hundred years ago, left a special clause in his will that his coffin was to be studded with nails projecting upwards and pointing above the surface of the ground, because, as he said, he had never been trodden on when he was alive and he did not mean to be trodden on when he was dead. And our form of government, our form of conducting business, has developed in just this strongly individualistic, critical, judicious frame of mind.

I should like to recall a story which I am afraid involves a slight impropriety of language, but, as I believe it was told on a public platform by no less a person than Lord Halifax, I hope you will forgive me if I repeat it. At a time during the General Strike, when the dock gates were being opened in the presence of a large crowd to let out lorries laden with food and manned by soldiers in steel helmets and with fixed bayonets, or alternatively bearing big printed notices, " Acting under the authority of the T. U. C.", or " the P. L. A.", there emerged a vegetable cart drawn by a donkey and driven by an elderly gentleman in a dented bowler hat smoking his pipe, with behind him, scrawled on a large piece of cardboard in charcoal the very English superscription, " Acting under the

authority of my own bloody self". And that, I suggest, is our national way of approaching authority—a difficult way, a way that sometimes make things very difficult for authority, but one, by and large, not too unsuccessful in its results.

Our place in the world, as I see it, turns on the impact of that conception on the rest of mankind. Four centuries ago the geography of the world as our ancestors knew it, was suddenly changed, changed, as you know, through voyages of discovery which placed this country, as it were, in the centre of the known world instead of leaving it as it had been until then on the very outside of its civilised circumference. Up to the end of the fifteenth century the civilised world, as Europeans knew it, consisted of the Mediterranean, which afforded its principal source of trade across the desert routes of the Middle East with the golden East, and of the Mediterranean nations, and behind them, at the outer edge of the world, furthest away from that wealth, the nations of the Atlantic littoral, and, most remote of all, this island. Beyond them and us lay a great ocean of storms and mists, with, so far as was then known, nothing beyond it. Indeed, many ignorant persons who supposed the world to be flat, imagined that, if one voyaged far enough westwards into that ocean, if one was fool enough to do it at all, one would come to a horrible place where the waters went over the edge of the world into Hell. Then, as we all know, came the day when adventurous men, not of our race, sailing westwards discovered not Hell, but America, and sailing southwards discovered too, a sea-way round the Cape of Good Hope to the East. And because it is so infinitely more easy to move goods—heavy goods—by water, for on the sea, you have a road made and maintained by Providence, at any rate for those who learn and take the trouble to master the use of ships, there flowed into Europe by those new sea routes an immensely increased quantity of trade. And in that great opportunity that thus came to the the nations of western Europe, this country received a chance to influence the future development and thought of the whole world—a chance which came to us, as so many great chances tend to come to men and nations, in the first place, out of a great peril and a challenge.

I scarcely like, in the presence of the greatest living authority on that period, to speak here of the latter part of the sixteenth century. But no man speaking of the history of England in twenty minutes could omit referring to what England achieved in those wonderful closing years of

that great century. In the middle of that century, four hundred years ago, England seemed to stand in a blind alley, the great achievements of her past lost and gone for ever, and great perils, political, religious and economic, confronting her on every side—a little island of a few millions who yet refused to accept an authoritarian conception of society and an authoritarian domination of Europe and the world by a great Power. At one moment, before the accession of Elizabeth, England was almost absorbed into the authoritarian conception and polity of that great Power. But under Elizabeth she broke free; stood, as Englishmen had already begun to stand in domestic matters, for the liberty of the individual conscience, complicating, perhaps, the future course of human society by doing so but defending, as England has defended on more than one occasion since, the conception of individual and national freedom ; threw down the gauntlet to imperial Spain and survived—survived by virtue of her use of the sea and, in doing so, broke Spain's monopoly of the New World and the new oceans.

In the seventeenth century that followed, we see as a result two developments which have had immense importance in the world's history during the past three centuries : at home the development of Parliament and parliamentary institutions, the English struggle for the sovereignty of Parliament at a time when the rest of Europe was moving in an opposite and authoritarian direction ; and the beginning, almost unperceived by the men of that time, as beginnings always are unperceived by the men of one's own time, of that great, world-wide union of free communities under a free allegiance which we to-day call the Commonwealth of Nations.

In the last resort both these developments turned on our own security behind our floating sea walls. There were moments in the seventeenth century when we neglected that security, when we found ourselves facing the danger of invasion, as when our Fleet was defeated under the cliffs of Beachy Head, and when the great Lord Halifax, in his famous pamphlet wrote :

> " It may be said now to England, Martha, Martha, thou art busied about many things."
>
> " What shall we do to be saved in this world? There is no other answer but this, ' Look to your moat'. The first article of an Englishman's political creed must be that he believeth in the sea. We are in an island and confined to it by God Almighty not as a

penalty but as a grace, and one of the greatest that can be given to mankind. Happy confinement that hath made us rich, free and quiet, a fair portion in this world, and one very well worth the preserving."

And if, in the eighteenth century that followed, our ancestors forgot many things, they did not forget one thing. They never forgot that in the last resort their liberties depended, as did the wealth that sprang from their liberties, on the freedom of the seas. This realisation comes out, indeed, in their favourite song, the national anthem of the eighteenth century:

"The nations, not so blest as thee,
Must in their turn to tyrants fall;
But thou shalt flourish great and free,
The dread and envy of them all."

with its refrain which is not, as most people now suppose, a boast, but merely a conditional clause, "Rule Britannia, Britannia rule the waves!" That is, so long as Britons trouble to rule the waves, Britons shall not be slaves, but not a moment longer.

Then in the early nineteenth century we see this country again accepting the challenge of an authoritarian Power and conception, a martial attempt to make the whole world conform by force to a single uniform pattern of thought and behaviour, one which provoked, like every similar attempt in the last four hundred years, the automatic and libertarian resistance of this country, the resistance of a mongoose, as it were, at the sight of a snake. In the great struggle that followed, a struggle that lasted twenty-two years, we emerged triumphant; and as a result of our victory the course of the world took once more in its progress, not an authoritarian turn but a libertarian one. During the nineteenth century this country in its ensuing wealth and power made many grievous mistakes. There was much greed, much stupidity, much sloth, much that modern historians and economists have rightly condemned. But this is a comparative world, a world where neither men nor nations are ever perfect; and in a comparative world, as we look back on the nineteenth century, we can also see, in that long, halcyon period when the British Navy assured the peace of mankind, much that was most valuable for the progress of humanity. Wherever the ships of England sailed in their pursuit of trade—personal greed, if

you like—they carried with them some breath of their own libertarian conception of life, brushing away the dusty cobwebs of tyranny and obscurantist prejudice.

Perhaps I can best express my meaning in the words of genius, in the words of a great Pole who for many years served in the merchant fleet of this country and who was one of the greatest writers of English prose that ever lived. You may remember that wonderful passage in Conrad's " The Nigger of the Narcissus ", when he describes the sight familiar to generations of British seamen: of a ship coming up the Channel in the last days of sail, seeing the familiar headlands standing out to greet her and then, as night fell, the dark coast,

> " standing up like the side of an indestructible craft riding motionless upon the immortal and unresting sea. The dark land lay alone in the midst of waters, like a mighty ship bestarred with vigilant lights—a ship carrying the burden of millions of lives—a ship freighted with dross and with jewels, with gold and with steel. She towered up immense and strong, guarding priceless traditions and untold suffering, sheltering glorious memories and base forgetfulness, ignoble virtues and splendid transgressions. A great ship! For ages had the ocean battered in vain her enduring sides; she was there when the world was vaster and darker, when the sea was great and mysterious, and ready to surrender the prize of fame to audacious men. A ship mother of fleets and nations! The great flagship of the race; stronger than the storms! and anchored in the open sea."

She was still there in 1940, and it was well for the cause of human liberty that she was there.

That was not our country's only service to mankind in 1940. Our physical resistance to tyranny has, in a sense, been merely negative and passive. England's other service, arising out of her libertarian beliefs, has been the conception that liberty has a validity of its own. It was not only that men of our polity demanded liberty for themselves in their relations with the organised community and its rulers. All men require that. It was that they recognised, often with many backslidings and many mistakes, but always in the end returning to their real genius and their real destiny, that, unless one grants liberty to others, one always in the end suffers and pays for it. Perhaps the greatest thing that was ever said about this country was said in the darkest days of December

1940, when this great city of ours was being bombed night after night, and when we seemed to have no hope of hitting back, and when we stood alone against the whole might of the Axis. At that time, the then Prime Minister of the Union of South Africa, General Smuts, speaking to his own people, said, " The time has come to choose our friends. I choose the country under which we suffered forty or fifty years ago but which, when we were at their mercy, treated us like a Christian people ".

So much for the past. Where do we stand to-day? Tired? Tired and decimated with two great wars, and with good reason to be tired. But one can get over tiredness, and nations, unlike individuals, do not, or need not, die. We shall get over our tiredness. Indeed, a certain easiness of demeanour in us which in late years foreigners and some of us ourselves have commented on may be merely part of a necessary recuperative process which nations, like men, must go through after great endeavours and great sacrifices. In the words of the old Scottish pirate, Sir Andrew Barton, in his last fight:

> ' Fight on, my men! Says Sir Andrew Barton,
> I am hurt, but I am not slain;
> I'le lay me downe and bleed a-while,
> And then I'le rise and fight again.'

The time comes when one must live and work again.

What sort of world do we find ourselves in to-day? A changed world! No longer a world in which we rule the seas and monopolise the major part of the world's trade; no longer the sort of world into which I and my contemporaries were born, when this country inherited immense material advantages and was the dominant Global Power, for the world's then good, as I believe. No! We face a very different world, in which there are Powers far greater in the material sense than this country. Yet that need scarcely dismay us. Was not imperial Spain greater than ourselves, or France of the ' Grand Monarque ', or Revolutionary and Napoleonic France with a population nearly three times that of our own and dominating the whole of Europe? Indeed, one remembers a time even more recent than these when in 1940 we looked up at the skies above us and saw a Power in material terms far greater than ourselves, and the few battling against the many. The greater part of our history has been a challenge to Powers greater than ourselves—St. George and the Dragon, Drake and the Armada,

Hampden and the Star Chamber, Wesley and the pagan ignorance of the eighteenth century poor, Wilberforce and the Slave Trade, Shaftesbury and the indifference of the Victorian capitalists and economists. What are we English here for but to challenge power? Security for ourselves and for others is an excellent thing, but it is not the end of life. The end of life is neither to be secure nor to be happy—those who seek that end in life are bound by the very nature of terrestrial existence, men and nations alike, to be disappointed—but to create and leave something in the realm of the spirit worth leaving behind in the world.

Don't let us, as we turn to the tasks of our future, be insurance-minded. Our greatest achievement, our greatest contribution to mankind, is the independence of the individual and what goes with the independence of the individual and cannot be created without the independence of the individual, the responsibility of the individual, the feeling, as a great nineteenth century statesman put it, " that in old times produced demi-gods, without which no State is safe, without which political institutions are meat without salt, Parliaments debating clubs and civilisation itself but a fevered and transient dream ".

As I see it, we are finding our way at the present moment between the extremes of the *laissez-faire* individualism of a hundred years ago and the regulation of the community to its minutest detail—a natural dream of those who reacted against the anarchical state—to that true English conception of liberty, the only way in which liberty can be made to operate in a terrestrial world, liberty within a framework of discipline; but discipline, never seen as an end in itself—for that is fascism—discipline for one purpose and one purpose only, to ensure the greater liberty of the individual.

As one looks round the world to-day one sees what superficially seems a somewhat cheerless spectacle—a spectacle not dissimilar, perhaps, to that which faced our ancestors four hundred years ago, a world full of grim words. Boss, Proletariat, Big Business, Communism, High Finance, Publicity, Boost, Millions, Billions, the People, Tribunal of the People, Dictator! And then a small still voice, the voice of England, the voice of conscience, the voice of judgment: " I know I have the body of a weak and feeble woman, but I have the heart and stomach of a King and of a King of England, too. I will never be by violence constrained to do anything. I thank God I am endued with

such qualities that if I were turned out of the Realm in my petticoat I were able to live in any place in Christendom."

May I conclude with those great lines of Swinburne:

> " All our past proclaims our future: Shakespeare's voice and Nelson's hand,
> Milton's faith and Wordsworth's trust in this, our chosen and chainless land,
> Bear us witness: come the world against her, England yet shall stand."

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### The Dean of the Faculty of Arts
### (Professor G. J. Renier, Ph.D., Phil.Lit.cand.)

My Lord Chairman, Mr. Provost, Ladies and Gentlemen—

It is a pleasure to rise to propose a vote of thanks on such an occasion. We have listened to a speech so lucid that we all could follow it, a speech adorned by some touches of lightness very necessary on this warm summer's day, made warmer still by the devotion of our students to the tenth muse, the American bioscope.

I would like to praise our Visitor also for the tact he has displayed throughout his speech, although Mr. Bryant may have slipped just once. You referred slightingly to the ancient belief that the earth is flat. But at one of those dinners for students and members of the staff to which our Provost referred in his Report, it was my privilege to sit by the side of a student in architecture who informed me that the earth is flat indeed!

I must also confess, Mr. Bryant, to a little disappointment. Knowing that you are one of the fine contemporary historians who have broken with the Whig tradition, I hoped that something you said would give me an opportunity of repeating—as my students who are in this audience would expect from me when I rise on my feet—that the only good Stuart was Dutch William. I am sorry I missed that opportunity, but I believe that is a figure of speech called aposiopesis. Nevertheless, the cloven Dutch hoof in my praises must show, all the same; for, as I

listened to you with sheer delight and to your pæan to the British love of liberty, I reflected that this was indeed true of your nation, insularly protected, and of mine, less protected.

This has been a delightful occasion. We are grateful to Mr. Bryant. And I should like to add, Mr. Bryant, that I am also grateful to you for another occasion displayed, indeed, here once more, and that is this: an occasion of fact, the fact that you are the continuator, even if you have broken with some traditions, of a very great nineteenth century tradition, the tradition which made those giants of English history believe that a man can practise elegance of form and beauty of style and yet be a historical scholar.

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The Vote of Thanks was seconded by the PRESIDENT OF THE UNION (Mr. D. B. COMINS).

# APPENDIX VI

LIST OF ORIGINAL PAPERS AND OTHER PUBLICATIONS FROM THE VARIOUS DEPARTMENTS OF THE COLLEGE, 1ST OCTOBER 1949 TO 30TH SEPTEMBER 1950, WITH SOME EARLIER PAPERS NOT PREVIOUSLY MENTIONED IN THE ANNUAL REPORT.

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## FACULTY OF ARTS

### Anthropology (Professor Daryll Forde)

BARNES, J. A.

(1) (with Max Gluckman and J. C. Mitchell) *A Survey of Some Lamba Villages*. Communications from the School of African Studies, Capetown (new series). Capetown : School of African Studies, 1950.

(2) " The Bamangwato " in " Notes and News ". *Africa*, xx, Pt. 2. (Apr. 1950), 151–2.

FORDE, DARYLL

General Editor of *Ethnographic Survey of Africa*.

(3) (with G. I. Jones) The Ibo and Ibibio speaking peoples of Nigeria. *Ethnographic Survey of Africa*, International African Institute, 1950.

TAIT, D.

(4) An analytical commentary on the social structure of the Dogon. *Africa*, xx, Pt. 3 (July 1950), 175–99.

### Architecture (Professor H. O. Corfiato)

FOYLE, A. M.

(1) Building in Nigeria. Modern adaptations of traditional methods in planned town expansion. *Crown Colonist* (June 1950), 355–7, with illust.

(2) Nigerian Architecture. An account of present building activity in the Colony. *The Architects' Journal* (4 May 1950), 549–52, with illust.

(3) Nigerian Architecture. Historical buildings in Kano and Benin City. *Geographical Magazine* (Sept. 1950), 173–80, with illust.

## Egyptology (Professor J. Černý)

ARKELL, A. J.

(1) Excavations at Esh Shaheinab, Sudan (1949). *Proceedings of the Prehistoric Society*, 15 (1949), 42–9.

(2) Excavations at Esh Shaheinab. *Sudan Notes and Records*, 30 (1949), 212–21.

(3) *The Old Stone Age in the Anglo-Egyptian Sudan.* Sudan Antiquities Service Occasional Paper, No. 1, 1949.

(4) Gold Coast Copies of 5th–7th century bronze lamps. *Antiquity*, 24 (1950), 38–40.

ČERNÝ, J.

(5) On the Origin of the Egyptian Conjunctive. *Journal of Egyptian Archaeology*, 35 (1949), 25–30.

## English (Professor C. J. Sisson)

BROWN, A.

(1) The Play of *Wit and Science* by John Redford. *Philological Quarterly*, xxviii (Oct. 1949), 429–42.

(2) Review of A. P. Rossiter, *English Drama from Early Times to the Elizabethans*. *Modern Language Review*, xlv (July 1950), 369–72.

BROWN, A., SISSON, C. J.

(3) A Transcript of Shakespeare's Deposition in the Belott-Mountjoy Suit. *Shakespeare Survey*, 3 (1950), 13.

GREG, SIR WALTER

(4) Edition of *Marlowe's Doctor Faustus*, 1604–1616. *Parallel Texts.* Oxford: Clarendon Press, 1950.

(5) Marlowe, C., *The Tragical History of the Life and Death of Doctor Faustus. A Conjectural Reconstruction.* Oxford: Clarendon Press, 1950.

Reviews of the following :—

(6) H. R. Hoppe, *The Bad Quarto of 'Romeo and Juliet'*. *Review of English Studies* (new series), i (Jan. 1950), 64–6.

(7) *Papers of the Bibliographical Society, University of Virginia*, I, ed. by F. Bowers. *Modern Language Review*, xlv (Jan. 1950), 76.

HADDAKIN, LILIAN F.

Reviews of the following :—

(8) J. Bennett, *George Eliot: Her Mind and Her Art*. *Ibid.*, xliv (Oct. 1949), 567–9.

(9) H. C. Webster, *On a Darkling Plain: The Art and Thought of Thomas Hardy*. *Ibid.*, xlv (Jan. 1950), 82–3.

HULME, HILDA M.

Reviews of the following :—

(10) B. Widén, *Studies in the Dorset Dialect*. *Ibid.*, xliv (Oct. 1949), 557–8.

(11) *The Later Genesis*, ed. by B. J. Timmer. *Ibid.*, xliv (Oct. 1949), 558–9.

(12) V. E. Smalley, *The Sources of 'A Dictionarie of the French and English Tongues'*. *Ibid.*, xliv (Oct. 1949), 562.

HUSBANDS, H. WINIFRED

Assistant Editor of *Modern Language Review*.

JENKINS, H.

Reviews of the following :—

(13) *Rollo Duke of Normandy or The Bloody Brother*, ed. by J. D. Jump. *Ibid.*, xliv (Oct. 1949), 563–4.

(14) S. Daniel, *The Tragedy of Philotas*, ed. by L. Michel. *Ibid.*, xlv (Apr. 1950), 243–4.

(15) A. R. Thompson, *The Dry Mock*. *Ibid.*, xlv (Apr. 1950), 255–6.

KANE, G. J.

Reviews of the following :—

(16) *Annual Bibliography of English Language and Literature*, xx, 1939. *Review of English Studies*, xxv (Oct. 1949), 370–1.

(17) M. Bowden, *A Commentary on the General Prologue to the Canterbury Tales*. *Modern Language Review*, xlv (July 1950), 363–8.

MITCHELL, A. G.

(18) Review of E. T. Donaldson, *Piers Plowman. The C-Text and its Poet*. *Ibid.*, xlv (July 1950), 368–9.

NOWOTTNY, WINIFRED M. T.

(19) Review of Sister Miriam Joseph, *Shakespeare's Use of the Arts of Language*. *Ibid.*, xliv (Oct. 1949), 560–1.

QUIRK, C. R.

(20) On the Problem of Morphological Suture in Old English. *Ibid.*, xlv (Jan. 1950), 1–5.

Reviews of the following :—

(21) *Cassell's New English Dictionary*, ed. by E. A. Baker, enlarged and revised by A. L. Hayward. *Ibid.*, xlv (Apr. 1950), 235–7.

(22) G. Ward, *Hengest, an Historical Study of his Danish Origins and of his Campaigns in Frisia and South-East England. Denmark* (London) (Mar. 1950), 13.

SISSON, C. J.

General Editor of *Modern Language Review.*
Editorial Board of *Shakespeare Survey.*

(23) Studies in the Life and Environment of Shakespeare since 1900. *Shakespeare Survey*, 3 (1950), 1–12.

SMITH, A. H.

General Editor, with F. Norman, of Methuen's *Old English Library.*

General Editor, with F. Norman, of *London Mediaeval Studies.*

SPENCER, T. J. B.

(24) Hydaspes in Midlothian. *Times Literary Supplement*, No. 2497 (9 Dec. 1949), 808.

(25) The Religious Poetry of William Drummond of Hawthornden. *The Guardian*, No. 5423 (25 Nov. 1949), 558.

(26) Tennyson's *In Memoriam* after a Century. *Ibid.*, No. 5453 (30 June 1950), 310.

Reviews of the following :—

(27) G. Highet, *The Classical Tradition. The Listener*, xliii, No. 1095 (19 Jan. 1950), 126.

(28) *Byron, a Self-Portrait: Letters and Diaries.* Ed. by P. Quennell. *The Guardian*, No. 5442 (14 Apr. 1950), 176.

(29) R. Wellek and A. Warren, *Theory of Literature. Modern Language Review*, xliv (Oct. 1949), 555–7.

## Fine Arts (Professor W. M. Coldstream)

GWYNNE-JONES, A.

(1) *Portrait Painters.* Phoenix House, 1950. 163 illust.

(2) *Notes for Art Students.* Phoenix House, 1950. 24 pp., 6 illust.

TOWNSEND, WILLIAM

(3) *Canterbury*. Batsford, 1950. 88 pp., 51 illust.

WITTKOWER, R.

Editor (with W. Friedlander and A. Blunt), *The Drawings of Nicolas Poussin*, Vol. II. Warburg Institute, 1949.
Joint Editor, *The Journal of the Warburg and Courtauld Institutes*.

(4) *Architectural Principles in the Age of Humanism*. Warburg Institute, 1949.

(5) Il terzo braccio del Bernini in Piazza S. Pietro. *Bollettino d'Arte* (1949), 129–34.

(6) Death and resurrection in a picture by Marten de Vos. *Miscellanea Leo van Puyvelde*, Brussels (1949), 117–23.

(7) Renaissance Architecture, Mannerist Architecture, Baroque Architecture. *Chambers' Encyclopaedia* (1950).

(8) The Artist and the Liberal Arts. *Eidos*, i (1950), 11–7.

(9) Palladianism in England. *The Listener* (18 May 1950).

(10) Review of *Vite di Bernini Scritta da Filippo Baldinucci*, ed. Sergio Samek Ludovici. *Burlington Magazine*, xci, No. 559 (Oct. 1949), 298.

## French (Professor B. Woledge)

SOUTHWARD, E. C.

(1) The Unity of Chrétien's Lancelot. *Mélanges offerts à Mario Roques*. Paris, 1950.

TANCOCK, L. W.

(2) *Abbé Prévost: Manon Lescaut—A New Translation, with introduction*. Penguin Classics, No. 13, 1949, 190 pp.

(3) Forty-three articles on 18th, 19th and 20th century French literature. *Chambers' Encyclopaedia* (1950).

Reviews of the following :—

(4) N. N. Schargo, History in the '*Encyclopédie*'. *French Studies* (Oct. 1949), 361–2.

(5) *Lettres Choisies de Gustave Flaubert*, ed. R. Dumesnil. *Ibid.* (Oct. 1949), 366–7.

WALKER, D. P.

(6) *Der musikalische Humanismus im* 16. *und frühen* 17. *Jahrhundert*. Kassel, Bärenreiter, 1950.

(7) Four articles in *Musik in Geschichte und Gegenwart. Allgemeine Enzyklopädie der Musik, herausgegeben von Friedrich Blume.* Bärenreiter-Verlag, Kassel and Basel, 1949.

(8) (with F. Lesure) Claude le Jeune and musique mesurée. *Musica Disciplina*, iii, 3–22.

WOLEDGE, B.

(9) Le légende de Troie et les débuts de la prose française. *Mélanges offerts à Mario Roques.* Paris, 1950.

### Geography (Professor H. C. Darby)

BROWN, E. H.

(1) (with R. Phillips and J. L. Davies) The seasonal distribution of calf and milk sales in N. Wales and the probable influence of climatic conditions on the monthly rate of calving and consequent milk production. *Journal of Dairy Research*, 16 (1949), 129–38.

(2) (with R. Phillips and J. L. Davies) Seasonal variations in the sale of calves in different parts of Great Britain 1943–47. *Ibid.*, 16 (1949), 238–300.

DARBY, H. C.

(3) The draining of the Fenland. *New Naturalist* (1950), 16–21.

MEAD, W. R.

(4) Edward Clarke Suomessa. *Historiallinen Aikakauskirja*, Helsinki (1950), 1–7.

(5) The discovery of Britain by the Finns. *The Norseman*, 8 (1950), 97–108 ; 176–84 ; 260–70.

SMAILES, A. E.

(6) Early industrial settlement in North-East England. *The Advancement of Science*, 6 (1950), 325–31.

### German (Professor L. A. Willoughby)

MAURER, K. W.

Editor of *Duckworth's German Texts.*

(1) Goethe as a novelist. *The Listener* (17 Nov. 1949), 844–6.

SCHWARZ, W. S.

(2) Review of L. W. Forster, *Selections from Conrad Celtis* 1459–1508. *Medium Aevum*, xviii (1949), 38–44.

WELLS, G. A.

(3) Notes on new books. *German Life and Letters* (new series), iii, No. 3 (Apr. 1950), 236–48.

WILKINSON, ELIZABETH M.

(4) Goethe's art and practice of living. *The Listener* (10 Nov. 1949).

Reviews of the following :—

(5) H. B. Garland, *Schiller* and W. Witte, *Schiller*. *The Spectator*, No. 6341 (6 Jan. 1950), 24–6.

(6) E. Cohen and E. Wilkins, *English Translation of "Dichtung und Wahrheit"*. *Ibid.*, No. 6358 (5 May 1950), 622–4.

WILLOUGHBY, L. A.

Editor of *Publications of the English Goethe Society*.
Co-Editor of *German Life and Letters*.

(7) The message of Goethe. *The Listener* (26 Aug. 1949).

(8) The boyhood of Goethe. *Ibid.* (Aug. 1949).

(9) The living Goethe. *Ibid.* (Sept. 1949).

(10) The doubting Englishman. *Ibid.* (23 Feb. 1950), 347–9.

(11) Sixty years of the English Goethe Society. *Chronik des Wiener Goethe-Vereins*, Nos. 52–3 (1949).

## Greek (Professor T. B. L. Webster)

TURNER, E. G.

(1) (with O. Neugebauer) Gymnasium debts and new moons. *Bulletin of John Rylands Library*, 32 (1949), 80.

WEBSTER, T. B. L.

(2) Masks of Greek comedy. *Ibid.*, 32 (1949), 97.

## Hebrew (Dr. S. Stein)

HELLER, E. J.

(1) The main teachings of Samuel David Luzatto. *Melilah*, iv, Publications of the University of Manchester (1950), 276–88.

STEIN, S.

(2) Review of I. Heinemann, *Ta'ame Ha-Miswoth Besifruth Yisrael*, Pt. 1, 1949. *Chayenu*, xiv (June 1950), 10f.

## History (Professor J. E. Neale)

BELLOT, H. H.

(1) Section on the United States of America. *Annual Bulletin of Historical Literature*, xxxiv, 36–40. Historical Association, 1948.

BINDOFF, S. T.

(2) *Tudor England.* (The Pelican History of England, v.) Penguin Books Ltd., 1950.

(3) The Netherlands and England: The Parting of the Ways. Address delivered at the annual meeting of the Historisch Genootschap, Utrecht, 31 Oct. 1949. *Verslag* (1950), 61–76.

(4) Chapter on " Town Life and Commerce ". *Life under the Tudors*, ed. J. E. Morpurgo. Falcon Educational Books, 1950.

(5) Review of H. J. Smit (Editor), *Bronnen tot de geschiedenis van den handel met Engeland, Schotland, en Ierland. 2de deel, 1ste stuk* 1485–1558, The Hague, 1942. *English Historical Review*, lxv (1950), 392–6.

COBBAN, A. B. C.

(6) *The Debate on the French Revolution.* Nicholas Kaye, 1950.

(7) Introduction to *Le Chartisme* (1831–1848), by E. Dolléans, nouvelle edition, Marcel Rivière, 1949, vii–xii.

Reviews of the following :—

(8) G. de Bertier de Sauvigny, *Le Comte Ferdinand de Bertier* (1782–1864) *et l'énigme de la Congregation. English Historical Review*, lxiv (1949), 524–6.

(9) Henri Blet, *Histoire de la Colonisation française. International Affairs*, xxvi (1950), 261–2.

HUMPHREYS, R. A.

(10) Sections on Latin America. *Annual Bulletin of Historical Literature*, xxxiii (1948), 34–5; xxxiv (1949), 40–1.

(11) Review of C. H. Having, *The Spanish Empire in America*; Salvador de Madariaga, *The Rise of the Spanish American Empire. History*, xxxiv (1949), 134–5.

JONES, A.H.M.

(12) (with V. L. Ehrenberg) *Documents illustrating the Reigns of Augustus and Tiberius.* Clarendon Press, 1949.

(13) The Roman Civil Service (clerical and subclerical grades). *Journal of Roman Studies*, xxxix (1949), 38–55.

Reviews of the following :—

(14) Norman H. Baynes and H. St. L. B. Moss (Editors), *Byzantium. An Introduction to East Roman Civilization. English Historical Review*, lxiv (1949), 503–6.

(15) W. W. Tarn, *Alexander the Great. Classical Review*, lxiii (1949), 122–5.

(16) F. A. Lepper, *Trajan's Parthian War. Ibid.*, lxiii (1949), 128–9.

Neale, J. E.

(17) Sir Nicholas Throckmorton's Advice to Queen Elizabeth on her Accession to the Throne. *English Historical Review*, lxv (1950), 91–8.

(18) The Elizabethan Acts of Supremacy and Uniformity. *Ibid.*, lxv (1950), 304–32.

(19) Review of *Calendar of the Patent Rolls, Elizabeth*, 1560–1563, Vol. II. *Ibid.*, lxiv (1949), 520–3.

Reddaway, T. F.

(20) The Origins of the Metropolitan Police. *The Nineteenth Century and After*, cxlvii (1950), 104–18.

(21) London in the Nineteenth Century—the fight for a water supply. *Ibid.*, cxlvii (1950), 118–30.

Reviews of the following :—

(22) Sylvia L. Thrupp, *The Merchant Class of Medieval London. English Historical Review*, lxv (1950), 103–6.

(23) The Corporation of London, *The Corporation of London: its origin, constitution, powers and duties. Notes and Queries*, 195, No. 8, 176.

Renier, G. J.

(24) *History, its Purpose and Method.* Allen and Unwin, 1950.

## Italian (Professor R. Weiss)

Weiss, R.

Co-Editor of *Italian Studies.*

(1) *Il primo secolo dell'umanesimo.* Roma: Edizioni di storia e letteratura, 1949.

(2) *Un inedito petrarchesco.* Roma: Edizioni di storia e letteratura, 1950.

(3) Petrarch Minutiae. *Journal of the Warburg and Courtauld Institutes*, xii (1949), 190–1.

(4) Cinque lettere inedite del card. Benedetto Caetani (Bonifacio VIII). *Rivista di Storia della Chiesa in Italia*, iii (1949), 157–64.
(5) Studi petrarcheschi in Inghilterra (1940–1948). *Studi Petrarcheschi*, ii (1949), 266–7.

### Latin (Professor J. F. Lockwood)

LOCKWOOD, J. F.

(1) Statius : a Revaluation. *Latin Teaching*, xxvii, No. 4, 75–93.

### Librarianship and Archives (Mr. Raymond Irwin, Director)

ARNOLD, D. V.

(1) Correspondence as a source of technical information. I. Information from correspondence : general principles. *Aslib Proceedings*, 1, No. 3 (Nov. 1949), 235–9.

ELLIS, R. H.

Honorary Editor of *Archives*. British Records Association.

FRANCIS, F. C.

(2) The British Museum. *The Libraries of London*, 10–26. Library Association, 1949.
(3) The Shakespeare Collections in the British Museum. *Shakespeare Survey*, iii (1950), 43–58.

Reviews of the following :—

(4) C. Rittershausen, *Charta oder Selbstschilderung des Papiers*. *The Library* (1949), 152–3.
(5) R. G. Silver, *The Boston Book Trade* 1800–1825. *Ibid.* (1950), 286–9.
(6) *The Cost Books of Ticknor and Fields and their Predecessors*,1832–1858. Ed. Warren S. Tyron and William Charvat. *Ibid.* (1950), 286–9.
(7) J. Carter, *Taste and Technique in Book Collecting*. *Ibid.* (1950), 72–3.

IRWIN, R.

Editor, *The Libraries of London*. The Library Association, 1949.

(8) Professional Education. *The Year's Work in Librarianship*, 1939–45; 1946. xii, 201–9; xiii, 114–9. The Library Association, 1949.
(9) The Library Service in the Welfare State. *The Library World*, liii (1950), 27–9.

PAFFORD, J. H. P.

Editor, *Year's Work in Librarianship*, xii (1939–45); xiii (1946). Library Association, 1949.

(10) *American and Canadian Libraries*. Library Association, 1949.

(11) National and University Libraries. *Year's Work in Librarianship*, 1946, xiii, 1–15. Library Association, 1949.

(12) The University of London Library and some other Libraries of the University. *The Libraries of London*, 125–38. The Library Association, 1949.

(13) Review of H. B. Charlton, *Shakespearian Tragedy*. *Review of English Studies* (Apr. 1950), 163–6.

STAVELEY, R.

(14) An Inquiry into Co-operation. *Journal of Documentation*, 5 (Sept. 1949), 69–98.

### Library (Mr. John Wilks, Librarian)

WILKS, JOHN

(1) National and University Libraries. *The Year's Work in Librarianship*, xii (1939–1945), 1–22. The Library Association, 1949.

### Philosophy (Professor A. J. Ayer)

AYER, A. J.

(1) William of Ockham: 'Ockham's Razor' and Modern Philosophy. *The Listener* (8 Dec. 1949).

(2) Religion and the Intellectuals, II. *Partisan Review* (Mar. 1950), 218–21.

(3) The Physical Basis of Mind: A Philosopher's Symposium. *The Physical Basis of Mind*, Ed. P. Laslett, Blackwell, 1950. 70–4.

HAMPSHIRE, S. N.

(4) Multiply general sentences. *Analysis*, 10, No. 4 (Mar. 1950), 73–6.

(5) Critical notice of Gilbert Ryle, *The Concept of Mind*. *Mind*, lix (Apr. 1950), 237–55.

(6) Scepticism and meaning. *Philosophy*, xxv (July 1950), 235–46.

### Phonetics (Dr. D. B. Fry)

ARNOLD, G. F.

(1) Phonetics and speech training. *Speech News* (July 1950), 1–2.

DENES, P.

(2) (with R. F. Naunton) The clinical detection of auditory recruitment. *J. Otol. Laryngol.*, lxiv (1950), 375–98.

FRY, D. B.

(3) The function of experimental phonetics. *Lingua*, ii (1950), 210–25.

(4) Subjective measurements in acoustics. *Nature*, 165 (1950), 950–2.

(5) Hearing and speaking. *The Teacher of the Deaf* (Aug. 1950), 108–18.

PRING, J. T.

(6) Notes for a phonetic analysis of the dialect of Naples. *Zeitschrift f. Phonetik* (4. Jahrg. 1950), Heft 1/2.

## Political Economy (Professor G. C. Allen)

ALLEN, G. C.

(1) Economic Progress : Retrospect and Prospect. *Economic Journal* (Sept. 1950), 463–80.

(2) Industry and Trade, State Regulation of. *Chambers' Encyclopaedia*, vii (1950), 553–61.

(3) Rationalisation of Industry. *Ibid.*, xi (1950), 531–2.

(4) Appendix F (Note on the measurement of productive efficiency) and Appendix G (Note on full employment). *Working Party Report on Building* (Ministry of Works) (1950), 80–3, 80–1.

DONNITHORNE, A. G.

(5) Economic effects of developments since 1937 on Eastern and South-Eastern Asia and on the United Kingdom. *Royal Institute of International Affairs* (1950), 50 pp.

HAGUE, D. C.

(6) Economic Theory and Business Behaviour. *Review of Economic Studies*, xvi, No. 3 (1949), 144–57.

## Psychology (Professor Sir Cyril Burt)

BANKS, E. K. CHARLOTTE

(1) Psychological and Educational Aspects of World Affairs. *Year Book of World Affairs*, iv (1950), 345–53.

BEEDELL, C.

(2) Bibliography of Cinema Research. *Psychology and the Cinema*, Falcon Press (1950).

BURT, C.

(3) The Two Factor Theory. *Brit. J. Psychol.* : *Stat. Sect.*, ii (1949), 151–79.

(4) Group Factor Analysis. *Ibid.*, iii (1950), 40–75.

(5) The Influence of Differential Weighting. *Ibid.*, iii (1950), 105–24.

(6) A Reply to Sir Godfrey Thomson's Note. *Ibid.*, iii (1950), 127–8.

(7) The Structure of the Mind, Part II. *Brit. J. Educ. Psychol.*, xix (1949), 176–99.

(8) The Selection of Pupils for Different Types of Secondary Schools. *Ibid.*, xx (1950), 1–10.

(9) The Trend of Scottish Intelligence. *Ibid.*, xx (1950), 55–61.

(10) The Trend of National Intelligence. *Brit. J. Sociol.*, i (1950), 154–68.

(11) The Causes of Delinquency. *Brit. Med. J.* (1950), 335–6.

(12) Children and the Cinema. *Nature*, clxvi (1950), 1–2.

(13) Juvenile Offenders. *Ibid.*, clxvi (1950), 206.

(14) The Theory of Mental Testing. *Yearbook of Education*. Evans Brothers Ltd. (1950), 42–73.

FLUGEL, J. C.

(15) Human Affairs and the Psychological Point of View. Pres. Add., Sect. J., *Brit. Ass. Ann. Rep.*, vii (1950), 224–37.

KEIR, GERTRUDE

(16) *More Adventures in Writing*, Books I–VI. Oxford University Press, 1950.

(17) *Teachers' Handbook for Remedial Reading*. Oxford University Press, 1950.

(18) Psychological Methods in Cinema Research. *Psychology and the Cinema*. Falcon Press (1950)

LUBIN, A.

(19) Linear and Non-Linear Discriminating Functions. *Brit. J. Psychol.* : *Stat. Sect.*, iii (1950), 90–104.

PHILPOTT, S. J. F.

(20) Apparent Relations between Psychological and Physical Constants. *Ibid.* : *Gen. Sect.*, xl (1950), 137–48.

SANAI, M.

(21) A Factorial Study of Social Attitudes. *J. Social Psychol.*, xxvi (1950), 167–82.

Sanai, M., Pickard, P. M.

(22) The Relation between Politico-Economic Radicalism and Certain Traits of Personality. *Ibid.*, xxx (1949), 217–27.

Sen, Amya

(23) A Statistical Study of the Rorschach Test. *Brit. J. Psychol.: Stat. Sect.*, iii (1950), 21–39.

Steinberg, H., Crockett, G. S., Exton-Smith, A. N., Wilson, A.

(24) The Clinical Evaluation of the Effects of Drugs on Medical Students as a Teaching Method. *Brit. Med. J.* (1950), 484–8.

**Scandinavian Studies (Professor A. H. Smith, Director)**

Brandberg, I. P.

Reviews of the following :—

(1) Una Pope-Hennessy, *Canon Charles Kingsley*. *Svenska Dagbladet* (30 Mar. 1949).

(2) Joan Bennett, *George Eliot, Her Mind and her Art*. *Ibid.* (11 Sept. 1949).

Eiken, E.

(3) Johan Falkberget og Christianus Sextus. *Edda*, 1950.

Koefoed, H. A.

(4) Farlige ord i dansk og norsk. *Vort nordiske modersmål*, Nos. 3–4 (1949).

(5) En bornholmsk kæderemse. *Bornholms tidende* (1949).

**Town Planning (Professor W. G. Holford)**

Clarke, J. J.

(1) Recent housing legislation in the U.S.A., England and Wales. *Town Planning Review*, 21 (Apr. 1950), 57–69.

Holford, W. G.

Joint Editor of *Town Planning Review*. Liverpool University Press.

(2) (with H. Myles Wright) *Cambridge Planning Proposals*, Vol. i, 101 pp. with illust. ; Vol. ii, 61 maps and plans. Cambridge University Press, 1950.

(3) *The Reconstruction of St. Thomas's Hospital, Lambeth*, published by the Board of Governors, 1950, 72 pp. with illust.

(4) *The Town Plan of Pretoria, South Africa*, published by the City Council, 1949, 60 pp. with illust.

(5) The Implementation of Planning Measures : England and Wales. *Proceedings of the International Federation for Housing and Town Planning*, Amsterdam (1950), 31–45.

(6) The London Plans in Perspective. *Journal of the Royal Institution of Chartered Surveyors* (May 1950), 794–804.

(7) The Planning Schools : 2. University College London. *Town Planning Review*, 20 (Oct. 1949), 283–7.

## FACULTY OF LAWS

### English Law (Professor G. W. Keeton)

EDWARDS, J. L. J.

(1) Possession and Larceny. *Current Legal Problems*, 3 (1950), 127–52.

(2) Review of Cross and Jones, *An Introduction to Criminal Law* (2nd ed.). *Journal of Society of Public Teachers of Law*, 311–4.

FITZGERALD, R. C.

(3) Unenforceable Trusts. *The Solicitor*, 16 (1949), 172–5.

(4) Is Silence Charitable? *Ibid.*, 16 (1949), 195–9.

(5) General Words implied in Conveyances. *Ibid.*, 16 (1949), 219–22.

(6) Consequences of Delaying Completion. *Ibid.*, 16 (1949), 242–5.

(7) Law or Public Administration? *Ibid.*, 16 (1949), 271–3.

(8) Derogation from Grant. *Ibid.*, 17 (1950), 3–5.

(9) The Lands Tribunal. *Ibid.*, 17 (1950), 27–9, 51–5, 74–8, 99–103, 124–7.

(10) Some Social and Constitutional Aspects of the New Planning Law. *Current Legal Problems*, 3 (1950), 152–73.

(11) Safeguards in the Exercise of Functions by Administrative Bodies. *Canadian Bar Review*, 28 (1950), 538–63.

(12) The Law and the Dominions—Canadian Appeals to the Judicial Committee of the Privy Council. *Lifeline*, 11 (1950), 18–26.

(13) South Africa and the High Commission Territories. *World Affairs*, 4 (1950), 306–20.

Reviews of the following :—

(14) Bentham, *A Fragment on Government and an Introduction to the Principles of Morals and Legislation*. *Parliamentary Affairs*, II (1949), 446–8.

(15) Friedmann, *Legal Theory*. *The Solicitor*, 17 (1950), 46.

(16) Heap, *An Outline of the New Planning Law*. *The Conveyancer and Property Lawyer*, 14 (1950), 110–3.

(17) Keeton, *The Elementary Principles of Jurisprudence*. *The Year Book of World Affairs* (1950), 372–5.

HOLLAND, D. C.

(18) Justices of the Peace Bill. *The Solicitor*, 16 (1949), 175–7.

(19) The Law of the Press and the Report of the Royal Commission. *Ibid.*, 16 (1949), 199–202.

(20) The Law relating to Election Expenses. *Ibid.*, 17 (1950), 7–9, 31–3.

(21) The Obliteration of Words in a Will. *Ibid.*, 17 (1950), 116–7.

(22) The Law of Courts-Martial. *Current Legal Problems*, 3 (1950), 173–95.

IVAMY, E. R. H.

(23) The Law of the Theatre. *Ibid.*, 3 (1950), 112–27.

(24) The Report on Supreme Court Practice and Procedure. *The Solicitor*, 16 (1949), 223–4.

(25) The Bribery of Agents. *Ibid.*, 16 (1949), 245–8.

(26) Report of the Committee on Resale Price Maintenance. *Ibid.*, 16 (1949), 279–80.

(27) The Brussels International Copyright Convention. *Ibid.*, 17 (1950), 15–8.

(28) The Law Reform (Miscellaneous Provisions) Act 1949. *Ibid.*, 17 (1950), 39–40.

(29) The Justices of the Peace Act 1949. *Ibid.*, 17 (1950), 57–8, 63.

(30) Medical Partnerships. *Ibid.*, 17 (1950), 80–2, 87.

(31) Statute Law Revision and Consolidation. *Ibid.*, 17 (1950), 103–6.

(32) The Control of Monopolies. *Ibid.*, 17 (1950), 153–4, 159.

(33) Bigamy. *Ibid.*, 17 (1950), 170–2.

(34) Children and the Cinema. *Ibid.*, 17 (1950), 200–2.

KEETON, G. W.

Joint Editor (with G. Schwarzenberger) of *World Affairs* (new series) 3 (1949); of *The Year Book of World Affairs* (1949 and 1950); of *The Library of World Affairs*; and of *Current Legal Problems* (1949–50).

(35) *The Law of Trusts*. 5th ed. Pitman, 1950.

(36) The Changing Conception of Trusteeship. *Current Legal Problems*, 3 (1950), 14–30.

LLOYD, D.

(37) *Rent Control.* Butterworth, 1949, xlix+454 pp.

(38) Actions instituted by or against Unincorporated Bodies. *Modern Law Review*, 12 (Oct. 1949), 409–23.

(39) The Changed Status of Landlord and Tenant. *Current Legal Problems*, 3 (1950), 65–84.

(40) Portrait of an Eighteenth Century Lawyer. *Canadian Bar Review* (Mar. 1950), 315–9.

(41) The Disciplinary Powers of Professional Bodies. *Modern Law Review*, 13 (July 1950), 281–306.

(42) The Landlord and Tenant Act, 1949. *Ibid.*, 13 (Jan. 1950), 76–81.

(43) Unusual Danger and Invitees. *Ibid.*, 13 (Apr. 1950), 230–5.

MARSHALL, O. R.

(44) Anachronisms in Equity. *Current Legal Problems*, 3 (1950), 30–46.

O'SULLIVAN, R.

(45) The Evolution of the Law of Libel. *Ibid.*, 3 (1950), 84–100.

SCAMELL, E. H.

(46) Secret Trusts. *The Solicitor* (Oct. 1949), 224–6.

## International Law and Relations (Dr. G. Schwarzenberger)

GREEN, L. C.

Assistant Editor of *The Year Book of World Affairs* (1950).

(1) The New Regime in Western Germany. *World Affairs* (new series), 3 (1949), 368–77.

(2) Human Rights and the Colour Problem. *Current Legal Problems*, 3 (1950), 236–62.

(3) Recognition of Communist China. *International Law Quarterly*, 3 (1950), 418–22.

(4) Human Rights and Colour Discrimination. *Ibid.*, 3 (1950), 422–6.

(5) Selected Bibliography on International Law as Applied by International Courts and Tribunals. Appendix 6 of Schwarzenberger's *International Law*, 1, 2nd ed., 1949.

(6) Note on 'Purported Exercise of Belligerent Rights'. *Modern Law Review*, 12 (1949), 108–10.

(7) Note on the International Court of Justice. *Ibid.*, 12 (1949), 505–11.

(8) Note on 'Wrecks as Prize'. *Ibid.*, 13 (1950), 247–8.

Reviews of the following :—

(9) *British Year Book of International Law*, vols. 23–4, 1946–7, and *Annual Digest of Public International Law Cases*, 1919–42 (Supplementary Volume), 1947. *Law Quarterly Review*, 65 (1949), 401–8.

(10) C. Sleeman (ed.), *The Gozawa Trial*. *Modern Law Review*, 12 (1949), 527–30.

(11) G. W. Keeton, *The Elementary Principles of Jurisprudence*. *The Solicitor*, 16 (1949), 214.

(12) J. Cameron (ed.), *The Peleus Trial*. *Modern Law Review*, 13 (1950), 129–31.

(13) R. Phillips, (ed.), *The Belsen Trial*. *Ibid.*, 13 (1950), 265–8.

SCHWARZENBERGER, G.

Joint Editor (with G. W. Keeton) of *World Affairs* (new series), 3 (1949); of *The Year Book of World Affairs* (1949 and 1950); of *The Library of World Affairs*; and of *Current Legal Problems* (1949 and 1950).

(14) *A Manual of International Law*. 2nd ed. Stevens & Sons, 1950.

(15) The North Atlantic Pact. *The Western Political Quarterly*, 2 (1949), 309–16.

(16) Die Induktive Methode im Völkerrecht. *Jahrbuch für internationales und ausländisches öffentliches Recht*, II (1949), 676–89.

(17) Peace and War in International Society. *International Social Science Bulletin* (UNESCO), 1 (1949), 61–76; 2 (1950), 26–39.

(18) Sovereignty : Ideology and Reality. *Year Book of World Affairs*, 4 (1950), 1–22.

(19) The Problem of an International Criminal Law. *Current Legal Problems*, 3 (1950), 263–96.

STRANGE, SUSAN

(20) Truman's Point Four. *Year Book of World Affairs*, 4 (1950), 264–88.

(21) Report on World Affairs : Economic Aspects. *Ibid.*, 4 (1950), 328–37.

(22) Research Institutions in International Relations in the United Kingdom. *International Social Science Bulletin* (UNESCO), 1 (1950), 62–70.

(23) Strasbourg in Retrospect. *World Affairs*, 4 (1950), 3–21.

(24) Secretary Acheson's Total Diplomacy. *Ibid.*, 4 (1950), 264–76.

(25) Notes on Current Books: International Economics. *Ibid.*, 4 (1950), 224–8.

### Comparative Law and Roman Law (Mr. R. Powell)

GANADO, J. M.

(1) British Public Law and the Civil Law in Malta. *Current Legal Problems*, 3 (1950), 195–214.

POWELL, R.

(2) The Concept of Marriage in Ancient and Modern Law. *Ibid.*, 3 (1950), 46–65.

## FACULTY OF SCIENCE

### Botany (Professor W. H. Pearsall)

ARCHIBALD, EILY E. A.

(1) The specific character of plant communities. I. Herbaceous communities. *J. Ecol.*, 37, No. 2 (1949), 260–73.

(2) The specific character of plant communities. II. A quantitative approach. *Ibid.*, 37, No. 2 (1949), 274–88.

(3) Plant populations. II. The estimation of the number of individuals per unit area of species in heterogeneous plant populations. *Annals of Botany* (new series), xiv, No. 53 (1950), 7–21.

GORHAM, E.

(4) Some chemical aspects of a peat profile. *J. Ecol.*, 37 (1949), 24–7.

PEARSALL, W. H.

Editor of *Annals of Botany*.

(5) *Mountains and Moorlands*. London: Collins, 1950.

(6) Autumn colours. *Endeavour*, viii, No. 32 (1949), 157–62.

PURI, G. S.

(7) The ash-oak woods of the English Lake District. *J. Ind. Bot. Soc.*, 28, No. 3 (1948), 188–98.

(8) The vegetation of some disused quarries at Ingleton, Yorkshire, England. *Ibid.*, 28, No. 4 (1949), 212–20.

### Chemistry (Professor C. K. Ingold)

AGIUS, P., MACCOLL, A.

(1) Pyrolysis of *n*-propyl bromide. *J. Chem. Phys.*, 18 (1950), 158.

Ahmed, M. S.

(2) Partial ionization in lithium hydride. *Nature*, 165 (1950), 246.

Ahmed, M. S., Lonsdale, K.

(3) Diffuse scattering of $NaClO_3$. *Acta Cryst.*, 3 (1950), 241.

Amoros, J. L., Lonsdale, K.

(4) Crystallography in Spain. *Nature*, 166 (1950), 391.

Austin, A. T.

(5) The deamination of amino acids by nitrous acid with particular reference to glycine. The chemistry underlying the van Slyke determination of α-amino acids. *J. Chem. Soc.* (1950), 149–57.

Baddar, F. G., Sugden, S. (the late).

(6) The magnetic susceptibility of certain organic compounds. Part III. The contribution of the nitro-group to the magnetic susceptibility of aliphatic and aromatic nitro-compounds. *Ibid.* (1950), 308–11.

Benger, M., Brady, O. L.

(7) Isomerism of the oximes. Part XXXIX. The hydrolysis of acyl derivatives. *Ibid.* (1950), 1221–7.

Brady, O. L., Jarrett, S. G.

(8) Isomerism of the oximes. Part XL. The hydrolysis of acyl halogenobenzaldoximes by alkalis. *Ibid.* (1950), 1227–32.

(9) Isomerism of the oximes. Part XLI. The action of alkali on α- and β-*o*-iodobenzaldoximes. *Ibid.* (1950), 1232–3.

Brady, O. L., Miller, J.

(10) Isomerism of the oximes. Part XLII. The acid hydrolysis of acetyl-α-aldoxime. *Ibid.* (1950), 1234–42.

Brady, O. L., Ambrose, D.

(11) Isomerism of the oximes. Part XLIII. The kinetics of the pyrolysis of acyl derivatives. *Ibid.* (1950), 1243–9.

Brady, O. L., Cropper, F. R.

(12) The reaction between amines and 1-chloro-2 : 4-dinitrobenzene. *Ibid.* (1950), 507–16.

Brady, O. L., Jakobovits, J.

(13) The effect of varying the cation in some organic reactions requiring an alkaline medium. *Ibid.* (1950), 843–8.

Brewster, P., Hughes, E. D., Ingold, C. K., Rao, P. A. D. S.

(14) Configuration of carbohydrates, hydroxy acids and amino-acids. *Nature*, 166 (1950), 178.

Brewster, P., Hiron, F., Hughes, E. D., Ingold, C. K., Rao, P. A. D. S.

(15) Configurations of amino-compounds and the steric course of deamination. *Ibid.*, 166 (1950), 178.

Craig, D. P.

(16) The role of $E_g^+$ vibrations in the 2600 a benzene band system. *J. Chem. Soc.* (1950), 59–62.

(17) Energy levels of aromatic hydrocarbons. *J. Chem. Phys.*, 17 (1949), 1358.

(18) Energy levels in naphthalene. *Proc. of XIth International Congress of Chemistry*, London (July 1947).

(19) Polar structures in the theory of conjugated molecules. Part I. Identification of the ethylene $\pi$-electron states. *Proc. Roy. Soc. A.*, 200 (1950), 272–83.

(20) Polar structures in the theory of conjugated molecules. Part II. Symmetry properties and matrix elements for polar structures. *Ibid.*, 200 (1950), 390–401.

(21) Polar structures in the theory of conjugated molecules. Part III. The energy levels of benzene. *Ibid.*, 200 (1950), 401–9.

(22) Configurational interaction in molecular orbital theory. A higher approximation in the non-empirical method. *Ibid.*, 200 (1950), 474–86.

(23) On the assignment of the triplet-singlet emission of benzene. *J. Chem. Phys.*, 18 (1950), 236–7.

(24) The Franck–Condon principle and the size of the excited benzene molecule. *J. Chem. Soc.* (1950), 2146–51.

de la Mare, P. B. D.

(25) Some observations concerning steric hindrance and the effects of substituents on the ortho-para-ratio in aromatic substitution. *Ibid.* (1949), 2871–4.

(26) Kinetics of thermal addition of halogens to olefinic compounds. *Chem. Soc. Quart. Rev.*, 3 (1949), 126–45.

DE LA MARE, P. B. D., HUGHES, E. D., VERNON, C. A.

(27) Mechanism of aromatic halogenation. The chlorine cation, $Cl^+$. *Research*, 3 (1950), 192.

(28) Reaction of chlorine cations with olefins. *Ibid.*, 3 (1950), 242.

GARFORTH, F.

(29) The first singlet excited state of benzene. *J. Chim. Phys.*, 45 (1948), 6–8.

GILLESPIE, R. J., HUGHES, E. D., INGOLD, C. K.

(30) Cryoscopic measurements in sulphuric acid. Part I. Principles and methods. The cryoscopic constant and some other constants of sulphuric acid. *J. Chem. Soc.* (1950), 2473–92.

GILLESPIE, R. J.

(31) Cryoscopic measurements in sulphuric acid. Part II. The solutes water and sulphur trioxide. The basic strength of water and the acid strength of disulphuric acid. *Ibid.* (1950), 2493–503.

GILLESPIE, R. J., GRAHAM, J., HUGHES, E. D., INGOLD, C. K., PEELING, E. R. A.

(32) Cryoscopic measurements in sulphuric acid. Part III. The solutes nitric acid, dinitrogen pentoxide, dinitrogen tetroxide and dinitrogen trioxide. Cryoscopic proof of the formation of the nitronium ion $NO_2^+$. *Ibid.* (1950), 2504–15.

GILLESPIE, R. J.

(33) Cryoscopic measurements in sulphuric acid. Part IV. Reactions of ionised sulphates in sulphuric oleum. Self-ionisation equilibria in sulphuric acid, and ionic equilibria in oleum. The polysulphuric acids. *Ibid.* (1950), 2516–31.

GILLESPIE, R. J., GRAHAM, J.

(34) Cryoscopic measurements in sulphuric acid. Part V. Ionisation of nitric acid in sulphuric oleum. *Ibid.* (1950), 2532–7.

GILLESPIE, R. J.

(35) Cryoscopic measurements in sulphuric acid. Part VI. The solutes nitronium perchlorate and ammonium perchlorate. The basicity of the perchlorate ion and the acidity of perchloric acid. Notes on the strengths of some oxy-acids. *Ibid.* (1950), 2538–42.

(36) Cryoscopic measurements in sulphuric acid. Part VII. The basicity of nitro-compounds, sulphonyl compounds and sulphuryl compounds in sulphuric acid. *Ibid.* (1950), 2542–51.

GILLESPIE, R. J., HUGHES, E. D., INGOLD, C. K.

(37) Cryoscopic measurements in nitric acid. Part I. The solutes dinitrogen pentoxide and water. The self-dissociation of nitric acid. *Ibid.* (1950), 2552–8.

GOULDEN, J. D. S., INGOLD, C. K., MILLEN, D. J.

(38) The ion $N_2O_3^+$. Binding by one-electron transfer. *Nature*, 165 (1950), 565.

GOULDEN, J. D. S., MACCOLL, A., MILLEN, D. J.

(39) The Raman spectrum of the $[AuCl_4]^-$ ion. *J. Chem. Soc.* (1950), 1635–6.

HAWKINS, P. J., JANZ, G. J.

(40) The reaction of cyanogen and related nitriles with 1 : 3-dienes. Part I. Thermodynamic considerations, and a study of the uncatalysed reaction of cyanogen and related nitriles with 1 : 3-butadiene. *Ibid.* (1949), 1479–85.

(41) The reaction of cyanogen and related nitriles with 1 : 3-dienes. Part II. Catalysis of the reaction of cyanogen and related nitriles with 1 : 3-butadiene. *Ibid.* (1949), 1485–8.

HUGHES, E. D.

(42) Radioactive halogen and the mechanism of replacement reactions. *Ibid.* (1949), 400–5.

HUGHES, E. D., INGOLD, C. K.

(43) Mechanism of the benzidine rearrangement. *Ibid.* (1950), 1638–9.

HUGHES, E. D., INGOLD, C. K., REED, R. I.

(44) Kinetics and mechanism of aromatic nitration. Part II. Nitration by the nitronium ion, $NO_2^+$, derived from nitric acid. *Ibid.* (1950), 2400–40.

HUGHES, E. D., HALBERSTADT, E. S., INGOLD, C. K.

(45) Kinetics and mechanism of aromatic nitration. Part III. Nitration in acidified aqueous nitric acid. *Ibid.* (1950), 2441–52.

Hughes, E. D., Gold, V., Ingold, C. K., Williams, G. H.

(46) Kinetics and mechanism of aromatic nitration. Part iv. Nitration by dinitrogen pentoxide in aprotic solvents. *Ibid.* (1950), 2452–66.

Hughes, E. D., Gold, V., Ingold, C. K.

(47) Kinetics and mechanism of aromatic nitration. Part v. Nitration by acyl nitrates, particularly by benzoyl nitrate. *Ibid.* (1950), 2467–73.

Ingold, C. K.

(48) Aromatic nitration. Summaries of lectures delivered to the Royal Institute of Chemistry (Tees-side Section), Oct. 1949. *J. Roy. Inst. Chem.* (1950), 21–4.

(49) Mecanismo de la nitracion aromatica. *Anales de Fis. y Quim.*, 45 (1949), 111–42.

(50) Tautomeria, disociacion ionica e intercambio ionico sincronico. *Ibid.*, 45 (1949), 249–60.

(51) Investigacion espectroscopica de la mecanica de la molecula de benceno. *Ibid.*, 45 (1949), 261–72.

(52) Spectroscopia di bande del benzolo. *Boll. Scient. Fac. Chim. Ind. Bologna*, viii (1950), 25–32.

(53) Nuove concezioni sull' impedimento sterico. *Ibid.*, viii (1950), 33–8.

Lonsdale, K.

(54) *Neutron diffraction by crystals.* Lecture to Royal Institution, 18 Mar. 1949.

(55) *Study of anisotropy in crystals.* Colloque International, Paris, 1949.

(56) Electron diffraction by crystals. *Nature*, 164 (1949), 205–9.

(57) Diamagnetic susceptibility and anisotropy of ice. *Ibid.*, 164 (1949), 101.

(58) Neutron diffraction by crystals. *Ibid.*, 164 (1949), 164.

(59) (with E. E. Turner) Absolute configuration of optically active molecules. *J. Chem. Phys.*, 18 (1950), 156–7.

Maccoll, A.

(60) Kinetics of the pyrolysis of allyl bromide. *Ibid.*, 17 (1949), 1350–1.

(61) The quantum theory of the colour of organic molecules. *Proc. XIth International Congress of Chemistry*, London (July 1947).

(62) The principle of maximum overlapping. *Trans. Faraday Soc.*, 46 (1950), 369–74.

NYHOLM, R. S.

(63) Recent stereochemistry of the group VIII elements. *Chem. Soc. Quart. Rev.*, iii (1949), 321–44.

(64) Trivalent nickel. *Nature*, 165 (1950), 154.

(65) Studies in co-ordination chemistry. Part I. Complexes of quadrivalent platinum with tertiary arsines. *J. Chem. Soc.* (1950), 843–8.

(66) Studies in co-ordination chemistry. Part II. Triarsine complexes of bivalent platinum and palladium. *Ibid.* (1950), 848–51.

(67) Studies in co-ordination chemistry. Part III. Complexes of iron with ditertiary arsine. *Ibid.* (1950), 851–6.

(68) Studies in co-ordination chemistry. Part IV. Complexes of rhodic halides with a ditertiary arsine. *Ibid.* (1950), 857–9.

(69) Studies in co-ordination chemistry. Part V. Complexes of bivalent and tervalent nickel with a di(tertiary arsine). *Ibid.* (1950), 2061–71.

(70) Studies in co-ordination chemistry. Part VI. Complexes of bivalent and tervalent cobalt with a di(tertiary arsine). *Ibid.* (1950), 2072–8.

OWSTON, P. G.

(71) Diffuse scattering of X-rays by ice. *Acta Crystallographica*, 2 (1949), 222.

RUBIN, W., WASSERMANN, A.

(72) (with H. Steiner) Catalysis of Diels-Alder diene association. Part V. Proton and electron-transfer processes. *J. Chem. Soc.* (1949), 3046–57.

(73) Kinetics of the cyclo-pentadiene-chloranil reaction. A note on the configuration of transition states in diene synthesis. *Ibid.* (1950), 2205–7.

## EUGENICS, BIOMETRY AND GENETICS

**(Professor J. B. S. Haldane and Professor L. S. Penrose)**

FANG, T. C.

(1) The third interdigital patterns on the palms of the general British population, mongoloid and non-mongoloid mental defectives. *J. Ment. Sci.*, 96 (1950), 780–7.

GRÜNEBERG, H.

(2) Embryology of mammalian genes. *Revue Suisse de Zoologie*, 57, fasc. suppl. No. 1 (1950), 129–39.

(3) Geni modificatori. Atti del Convegno "*I recenti contributi della Genetica Umana alla Medicina*", Milano (Sept. 1949), 20–30.

(4) Genetical studies on the skeleton of the mouse. I. Minor variations of the vertebral column. *J. Genet.*, 50 (1950), 112–41.

(5) Genetical studies on the skeleton of the mouse. II. Undulated and its "modifiers". *Ibid.*, 50 (1950), 142–73.

HALDANE, J. B. S.

(6) The association of characters as a result of inbreeding and linkage. *Ann. Eugen.*, 15, Pt. 1 (1949), 15–23.

(7) A note on non-normal correlation. *Biometrika* (Miscellanea), xxxvi, Pts. 3 and 4 (1949), 467–8.

(8) Disease and evolution. *La Ricerca Scientifica*, 19 (1949).

(9) Some statistical problems arising in genetics. *J. Roy. Statist. Soc. B.*, 11 (1949), 1–11.

(10) Parental and fraternal correlations for fitness. *Ann. Eugen.*, 14 (1949), 288–92.

(11) A test for homogeneity in records of familial abnormalities. *Ibid.*, 14 (1949), 339–41.

HARRIS, H.

(12) The incidence of parental consanguinity in diabetes mellitus. *Ibid.*, 14 (1948), 293–300.

(13) Heredity in diabetes mellitus. *Proc. Roy. Soc. Med.*, 42 (1949), 326–30.

HARRIS, H., DATTA, S. P.

(14) (with K. R. Rees) Chromatography of 2 : 4-dinitrophenylhydrazones of ketoacids on alumina. *Biochem. J.*, 45 (1950), xxxvi.

HARRIS, H., DATTA, S. P., DENT, C. E.

(15) Apparatus for mass-production two-way paper chromatography. *Ibid.*, 45 (1950), xlii.

HARRIS, H., JOSEPH, J.

(16) Variation in extension of the metacarpo-phalangeal and interphalangeal joints of the thumb. *J. Bone and Joint Surg.*, British number (Nov. 1949), 547–59.

HARRIS, H., KALMUS, H.

(17) (with R. Trotter) Taste sensitivity to phenylthiourea in goitre and diabetes. *Lancet* (3 Dec.1949), 1038.

(18) Genetical differences in taste sensitivity to phenylthiourea and to antithyroid substances. *Nature*, 163 (1949), 878.

(19) The measurement of taste sensitivity to phenylthiourea (P.T.C.). *Ann. Eugen.*, 15 (1949), 24–31.

(20) Chemical specificity in genetical differences of taste sensitivity. *Ibid.*, 15 (1949), 32–45.

HARRIS, H., SMITH, C.A. B.

(21) The sib-sib age of onset correlation among individuals suffering from a hereditary syndrome produced by more than one gene. *Ibid.*, 14 (1949), 309–18.

KERMACK, K. A., HALDANE, J. B. S.

(22) Organic correlation and allometry. *Biometrika*, 37 (1950), 30–41.

LAWLER, SYLVIA D., MACKENZIE, HELEN J.

(23) (with J. W. Boyes and F. C. Fraser) A pedigree of hereditary progressive muscular dystrophy. *Ann. Eugen.*, 15 (1949), 46–51.

LUTHER, P. G.

(24) Enzymatic maceration of skeletons. *Proc. Linn. Soc. Lond.*, 161, Pt. 2 (1949), 146–7.

MANDEVILLE, L. C.

(25) Congenital absence of permanent maxillary lateral incisor teeth : a preliminary investigation. *Ann. Eugen.*, 15 (1949), 1–10.

MANDEVILLE, L. C., SPURWAY, HELEN

(26) Development of hybrids between *rana esculenta* and *rana ridubunda*. *Brit. J. Herpetology*, No. 2 (Sept. 1949), 39–44.

PENROSE, L. S.

(27) *The Biology of Mental Defect*. Sidgwick & Jackson, 1949.

(28) Statistical and genetical problems. Chapter 4 of *Modern Trends in Obstetrics and Gynaecology*. Butterworth & Co., 1950.

(29) Research methods in human genetics. *Congrès International de Psychiatrie*, Paris (1950). Hermann & Cie.

(30) Garrod's conception of inborn error and its development. *Biochemical Society Symposia*, No. 4 (1950), 10–5.

(31) The incidence of mongolism in the general population. *J. Ment. Sci.*, 95 (1950), 685–8.

(32) The meaning of " fitness " in human populations. *Ann. Eugen.*, 14 (1949), 301–4.

(33) Genetical influences on the intelligence level of the population. *Brit. J. Psychol. : Gen. Sect.*, 40 (1950), 128–36.

SEARLE, A. G.

(34) Gene frequencies in London's cats. *J. Genet.*, 49 (1949), 214–20.

SMITH, C. A. B.

(35) Fitness and survival. *Eugen. Rev.*, 42 (1950), 16–23.

(36) (with W. T. Tutte) A class of self-dual maps. *Canad. J. Math.*, 2 (1950), 179–96.

SMITH, C. A. B., KESTELMAN, H.

(37) On the distances between the elements of a subset of a group. *J. Lond. Math. Soc.*, 24 (1949), 131–5.

SPURWAY, HELEN

(38) Remarks on Vavilov's Law of Homologous Variation. *Symposium sui fattori ecologici e genetici della speciazione negli animali* (1949). (Supplement of *La Ricerca Scientifica.*)

(39) (with H. G. Callan) Hybrids between some members of the Rassenkreis *Triturus cristatus*. *Experientia Birkhäuser*, vi, No. 3 (1950), 95.

WEBER, W.

(40) Genetical studies on the skeleton of the mouse. III. Skeletal variation in wild populations. *J. Genet.*, 50 (1950), 174–8.

## Geology (Professor S. E. Hollingworth)

BARNARD, T.

(1) An abnormal chalk foraminifer. *Proc. Geol. Assoc.*, 60 (Dec. 1949), 284–7.

(2) The uses of foraminifera in lower jurassic stratigraphy. *Rept. of 18th Session Int. Geol. Congress*, Pt. xv, 3–10.

(3) Foraminifera from the lower lias of the Dorset coast. *Quart. Journ. Geol. Soc.*, cv, Pt. 3 (Sept. 1950), 347–91.

Barnard, T., Capewell, J. G.

(4) Report on Whitsun excursion at Lyme Regis. *Proc. Geol. Assoc.*, 61 (June 1950), 156–8.

Hollingworth, S. E.

(5) (with F. A. Bannister) Basaluminite and hydrobasaluminite: two new minerals from Northamptonshire. *Min. Mag.*, xxiv (1950), 1–17.

(6) Contribution to discussion on ' Glaciology—the flow of glaciers '. *The Observatory*, 70, No. 855 (Apr. 1950), 67–8.

Wells, M. K.

(7) (with F. H. Hatch and A. K. Wells) *The Petrology of the Igneous Rocks*. (10th ed. rewritten.) Thomas Murby & Co., 1949, 469 pp.

**History and Philosophy of Science (Professor H. Dingle)**

Armitage, A.

(1) *A Century of Astronomy*. London: Sampson Low, 1950.

(2) *Copernicus and the Reformation of Astronomy*. Historical Association Pamphlet, 1950.

(3) " Borell's Hypothesis " and the Rise of Celestial Mechanics. *Annals of Science*, 6 (1950), 268–82.

(4) Baron von Zach and his astronomical correspondence. *Popular Astronomy*, 57 (1949), 326–33.

Crombie, A. C.

General Editor, *The British Journal for the Philosophy of Science*, i, No. 1 (1950).

(5) Philosophie der Wissenschaft. Lectures at Aachen. *Jahrbuch der Rheinisch-Westfaelischen Technischen Hochschule Aachen*, (1950), 329–47.

(6) The *Opus Maius* of Roger Bacon. *Endeavour*, viii (1949), 163–6; summary in *Bulletin of the British Society for the History of Science*, i (1949), 31–2.

(7) Robert Grosseteste and the Origins of English Empiricism. *The Cambridge Journal*, iii (1950), 356–67.

(8) Galileo's ' Dialogues Concerning the Two Principal Systems of the World '. *Dominican Studies*, iii (1950), 105–38.

(9) Review of H. Butterfield, *The Origins of Modern Science*. *The Cambridge Review* (May 1950), 537–40.

DINGLE, H.

(10) *Science and Literary Criticism.* Edinburgh: Nelson, 1949.

(11) Man and Nature. *Ideas and Beliefs of the Victorians*, Sylvan Press, 1949.

(12) A Theory of Measurement. Chairman's Address to Philosophy of Science Group of the British Society for the History of Science. *Brit. Journ. for Phil. of Sci.*, 1 (1950), 5–26.

(13) Modern Theories of the Origin of the Universe. Norman Lockyer Lecture of the British Association. *The Advancement of Science*, vii (1950), 3–12.

(14) *Thomas Wright's Astronomical Heritage.* Address delivered at Durham at the 200th Anniversary Celebration of the publication of Thomas Wright's "Original Theory of the Universe", 2 June 1950. *Annals of Science*, 6 (1950), 404–15.

(15) René Descartes (1596–1650). *Nature*, 165 (1950), 213–5.

(16) The Foundations of Science. Review of F. S. C. Northrop, *The Logic of the Sciences and the Humanities. Science Progress*, xxxviii (1950), 141–8.

HEATHCOTE, N. H. DE V.

Editor of *Bulletin of the British Society for the History of Science*, i, No. 3 (1950).

(17) Guericke's Sulphur Globe. *Annals of Science*, 6 (1950), 293–305.

MCKIE, D.

Joint Editor of *Annals of Science*, vi, No. 2 (1949) and No. 3 (1950).

(18) Antoine Lavoisier, F.R.S. (1743–1794). *Notes and Records of the Royal Society of London*, 7 (1949), 1–41.

(19) (with J. R. Partington) Sir John Eliot, Bart. (1736–86), and John Elliot (1747–87). *Annals of Science*, 6 (1950), 262–7.

UNDERWOOD, E. A.

(20) Charles Creighton, M.A., M.D. (1847–1927): Scholar, Historian and Epidemiologist. *Proc. R. Soc. Med.*, xli (1949), 869–76.

(21) The Wellcome Historical Medical Museum and Library. *Chem. and Druggist Exp. Rev.*, x (Apr. 1950), 48–51; xi (Aug. 1950), 63–8.

(22) The Evolution of the Medical Book. *Ibid.*, xi (May 1950), 61–70.

## Mathematics (Professor H. S. W. Massey)

BATES, D. R., BOYD, R. L. F., BURHOP, E. H. S., MASSEY, H. S. W.

(1) The atomic processes effective in the ionosphere. *Proc. International Scientific Radio Union*, vii (1949), 299–329.

BOSANQUET, L. S.

(2) An extension of a theorem of Anderson. *J. Lond. Math. Soc.*, 25 (1950), 72–80.

(3) Early work on divergent series. (One of a symposium of articles entitled "Some aspects of Hardy's mathematical work".) *Ibid.*, 25 (1950), 102–6.

(4) (with R. Mohanty) A criterion for the absolute summability of a Fourier series. *Proc. Lond. Math. Soc.* (2), 51 (1949), 186–96.

(5) (with R. Mohanty) The absolute Cesàro summability of some series associated with a Fourier series and its allied series. *J. Lond. Math. Soc.*, 25 (1950), 63–7.

(6) (with R. Mohanty) On the summability | R, log w, 1| of a Fourier series. *Ibid.*, 25 (1950), 67–72.

BOYD, R. L. F.

(7) A mass-spectrometer probe method for the study of gas discharges. *Nature*, 165 (1950), 142.

(8) Positive ions in gas discharges. *Ibid.*, 165 (1950), 165.

(9) The collection of positive ions by a probe in an electrical discharge. *Proc. Roy. Soc. A*, 201 (1950), 329–50.

(10) $He_2^+$ in the helium discharge. *Proc. Phys. Soc. A*, 63 (1950), 543.

BURHOP, E. H. S.

(11) (with H. N. Yadav) The scattering of high-energy neutrons by protons and the law of interaction between nucleons. *Proc. Roy. Soc. A*, 197 (1949), 505–23.

BURHOP, E. H. S., MASSEY, H. S. W.

(12) (with D. Bohm) The use of probes for plasma exploration in strong magnetic fields. *The Characteristics of Electrical Discharges in Magnetic Fields*, Guthrie and Wakerling, McGraw-Hill (1949), 13–77.

(13) (with G. Page) Experimental investigation of threshold pressure for stable operation of arcs. *Ibid.* (1949), 107–27.

(14) (with W. Berkey, J. D. Craggs and J. Keene) Measurements of the absolute values of the cross sections for ionization of uranium tetra-chloride and uranium hexafluoride. *Ibid.* (1949), 127–45.

(15) (with C. Watt) The ionization and dissociation of uranium tetrachloride and uranium hexafluoride by electron impact. *Ibid.* (1949), 145–66.

(16) (with D. Bohm and R. W. Williams) A study of the arc plasma. *Ibid.* (1949), 173–334.

CASTILLEJO, L., RICHARDSON, H. T.

(17) Neutron-proton and proton-proton cross sections at 83 Mev. *Phys. Rev.*, 76 (1949), 1732–3.

DAVENPORT, H.

(18) On indefinite ternary quadratic forms. *Proc. Lond. Math. Soc.* (2), 51 (1949), 145–60.

(19) Sur les corps cubiques à discriminants négatifs. *Comptes Rendus*, 228 (1949), 883–5.

(20) Indefinite binary quadratic forms. *Quart. J. of Math.* (2), 1 (1950), 54–62.

(21) On the series for L(1). *J. Lond. Math. Soc.*, 24 (1949), 229–33.

DAVENPORT, H., ROGERS, C. A.

(22) Diophantine inequalities with an infinity of solutions. *Phil. Trans. A*, 242 (1950), 311–44.

(23) A note on the geometry of numbers. *J. Lond. Math. Soc.*, 24 (1949), 271–80.

ELTON, L. R. B.

(24) The effect of nuclear structure on the elastic scattering of fast electrons. *Phys. Rev.*, 79 (1950), 412.

ESTERMANN, T.

(25) On Waring's problem: A simple proof of a theorem of Hua. *Science Reports of National Tsing Hua University* (*A*), v (1948), 226–39.

MASSEY, H. S. W.

(26) Collisions between atoms and molecules at ordinary temperatures. *Rep. Prog. Physics*, xii (1949), 248–69.

(27) (with N. F. Mott) *The theory of atomic collisions.* Oxford (Second edition), 1949, xv+388 pp.

(28) Excitation and ionization processes in the upper atmosphere. *Revue d'Optique Théorique et instrumentale*, Paris (1949), 69–78.

MASSEY, H. S. W., MOISEIWITSCH, B. L.

(29) The scattering of electrons by hydrogen atoms. *Phys. Rev.*, 78 (1950), 180–1.

ROGERS, C. A.

(30) The product of $n$ homogeneous linear forms. *J. Lond. Math. Soc.*, 24 (1949), 31–9.

(31) The product of $n$ real homogeneous linear forms. *Acta Math.*, 82 (1950), 185–208.

(32) (with J. H. H. Chalk) The successive minima of a convex cylinder. *J. Lond. Math. Soc.*, 24 (1949), 284–91.

VARNAVIDES, P.

(33) Quadratic forms near to $x^2—2y^2$. *Quart. J. Math.*, 20 (1949), 124–8.

## Physics (Professor E. N. da C. Andrade)

ANDRADE, E. N. DA C.

(1) Phosphorescence. *Proc. Roy. Inst.*, 34 (1949), 486–96.

(2) Robert Hooke. *Proc. Roy. Soc. A.*, 201 (1950), 439–73.

(3) (with R. F. Y. Randall) The thermal etching of single crystals of cadmium. *Proc. Phys. Soc. B.*, lxiii (1950), 198–208.

(4) The Rehbinder effect. *Nature*, 164 (1949), 1127.

BROWN, G. B.

(5) Las teorias de Eddington & Milne. *An. Soc. esp. Fis. Quim. A.*, xlv (1949), 113–24.

(6) The philosophies of science of Eddington & Milne. *Amer. J. Phys.* 17. 9 (1949), 553–8.

(7) The new philosophy of science. *The Listener*, xliii, 1103 (1950), 465–6.

BROWN, R. C.

(8) *Mechanics and Properties of Matter.* London : Longmans, 1950.

DODD, C.

(9) The electrical resistance of liquid gallium in the neighbourhood of its melting point. *Proc. Phys. Soc. B.*, 63 (1950), 662–5.

DUNCANSON, W. E.

(10) (with C. A. Coulson) Atomic binding energies. *Nature*, 164 (1949), 1003.

Fox, J. W.

(11) Onset of turbulent flow in certain arrays of particles. *Proc. Phys. Soc. B.*, lxii (1949), 829–32.

## Statistics (Professor E. S. Pearson)

Bateman, G. I.

(1) The characteristic function of a weighted sum of non-central squares of normal variates subject to s linear restraints. *Biometrika*, 36 (1949), 460–2.

(2) The power of the $\chi^2$ index of dispersion test when Neyman's contagious distribution is the alternate hypothesis. *Ibid.*, 37 (1950), 59–63.

Box, G. E. P.

(3) A general distribution theory for a class of likelihood criteria. *Ibid.*, 36 (1949), 317–46.

David, F. N.

(4) Note on the application of Fisher's k-statistics. *Ibid.*, 36 (1949), 383–93.

(5) The moments of the z and F distributions. *Ibid.*, 36 (1949), 394–403.

(6) (with M. G. Kendall) Tables of symmetric functions, Part I. *Ibid.*, 36 (1949), 431–49.

(7) Two combinatorial tests of whether a sample has come from a given population. *Ibid.*, 37 (1950), 97–110.

David, F. N., Johnson, N. L.

(8) The probability integral transformation when the variable is discontinuous. *Ibid.*, 37 (1950), 42–9.

Finch, D. J.

(9) The effect of non-normality on the z-test, when used to compare the variances in two populations. *Ibid.*, 37 (1950), 186–9.

Hartley, H. O.

(10) A simplified form of Sheppard's correction formulae. *Ibid.*, 37 (1950), 145–8.

Hartley, H. O., Pearson, E. S.

(11) Table of the probability integral of the t-distribution. *Ibid.*, 37 (1950), 168–72.

Johnson, N. L.

(12) Bivariate distributions based on simple translation systems. *Ibid.*, 36 (1949), 297–304.

(13) (with H. Tetley) *Statistics: An Intermediate Text Book*, Vol. I. Cambridge University Press, 1949.

Moore, P. G.

(14) A test for randomness in a sequence of two alternatives involving a $2 \times 2$ table. *Biometrika*, 36 (1949), 305–16.

Patnaik, P. B.

(15) The use of mean range as an estimator of variance in statistical tests. *Ibid.*, 37 (1950), 78–87.

Pearson, E. S.

(16) Some notes on the use of range. *Ibid.*, 37 (1950), 88–92.

## Zoology (Professor D. M. S. Watson)

Ellis, Peggy E.

(1) Marching in Locust Hoppers of the Solitary Phase. *Nature*, 166 (July 1950), 151.

El-Toubi, M. R.

(2) The development of the chondrocranium of the spiny dogfish *Acanthias vulgaris* (*Squalus acanthias*). Part I. Neurocranium, mandibular and hyoid arches. *J. Morphol.*, 84, No. 2 (Mar. 1949), 227–79.

Fahmy, O. G.

(3) The mechanism of chromosome pairing during meiosis in male *Apolipthisa subincana* (Mycetophilidae, Diptera). *J. Genet.*, 49, No. 3 (Dec. 1949), 246–63.

(4) A new type of meiosis in male "*Plastosciara pectiventris*", and its evolutionary significance. *Proc. Egyptian Acad. Sci.*, 5 (1950), 20–50.

Fraser, Elizabeth A.

(5) The development of the vertebrate excretory system. *Biol. Reviews*, 25, No. 2 (Apr. 1950), 159–87.

Freeman, R. B.

(6) A check list of the British Siphonaptera, with comments on the nomenclature. *Ent. Mon. Mag.*, 85 (Jan. 1950), 14–22.

GILLETT, J. D.

(7) Further notes on the Ethiopian species of *Taeniorhynchus arribalzaga* (Diptera, Culicidae). *Proc. R. Ent. Soc. B.*, 18 (1949).

KERMACK, K. A., HALDANE, J. B. S.

(8) Organic correlation and allometry. *Biometrika*, 37 (1950), 30–41.

KÜHNE, W. G.

(9) *Mucrotherium* und *Uniserium* E. v. Huene sind Fragmente unterer Backenzähne eines Tritylodontiers. *N. J. f. Geol. u. Pal. Monatsh.*, 6 (1950), 187–91.

NEWTH, D. R.

(10) A contribution to the study of fore-limb eruption in metamorphosing Anura. *Proc. Zool. Soc. Lond.*, 119 (1949), 643–59.

(11) New light on the Origin of the Vertebrates. *New Biology*, VI (1949), 112–9.

(12) Fate of the Neural Crest in Lampreys. *Nature*, 165 (18 Feb. 1950), 284.

STEVENSON, J. P.

(13) (with E. W. Knight-Jones) Gregariousness during settlement in the barnacle *Elminius modestus* Darwin. *J. Mar. Biol. Assn. U.K.*, 29 (1950), 281–97.

WATSON, D. M. S.

(14) J. P. Hill, a biographical sketch of his career. *J. Anat.*, 82, Pts. I and II (1948), 3–5.

(15) The evidence afforded by fossil vertebrates on the nature of evolution. *Princeton University, Bicentennial Conference* (1948), 45–64.

(16) Africa and the Origin of Man. *Proc. Roy. Inst.* (Nov. 1948), 1–6.

WELLS, G. P.

(17) The anatomy of the body wall and appendages in *Arenicola marina* L.; *Arenicola claparedi* Levinsen and *Arenicola ecaudata* Johnston. *Journ. Mar. Biol. Assn.*, 29 (1950), 1–44.

(18) Spontaneous activity cycles in polychaete worms. *Symposia of the Society for Experimental Biology*, No. IV (1950), 127–42.

WHITBY, PAULINE

(19) Defining Vitamins. *New Biology*, VII (Sept. 1949), 104–12.

YOUNG, J. D. (the late)

(20) The structure and some physical properties of the Testudinian Eggshell. *Proc. Zool. Soc. Lond.*, 120 (1950), 455–69.

## FACULTY OF ENGINEERING

### Civil and Municipal Engineering (Professor H. J. Collins)

DAVIS, E. H.

(1) The California bearing ratio method for the design of flexible roads and runways. *Géotechnique*, 1, No. 4 (Dec. 1949), 249–63.

HOUNSFIELD, R. B. (the late)

(2) The student and the survey. *Information Bulletin of the Association for Planning and Regional Reconstruction*, 200 (Jan. 1950), 1.

(3) Transport research at the University of London. *Permanent International Association of Road Congresses* (Jan. 1950), 12.

JESSOP, H. T., WELLS, M. K.

(4) The determination of the principal stress-differences at a point in a three-dimensional photoelastic model. *British Journal of Applied Physics*, 1 (July 1950), 184–9.

MISKIN, E. A.

(5) *Precision method of measurement using photographic technique*. Paper read before the joint bodies of the Royal Institution of Chartered Surveyors, Royal Photographic Society and the Royal Geographic Society, May 1950.

(6) British photogrammetry equipment. *British Engineering Journal* (Dec. 1949).

(7) Review of L. G. Trorey, *Handbook of Aerial Mapping and Photogrammetry*. *Journal of the Royal Institution of Chartered Surveyors* (July 1950), 92; *The Photographic Journal*, 90B (July-Aug. 1950), 120.

## Electrical Engineering

### (Professor R. O. Kapp and Professor H. E. M. Barlow)

BARLOW, H. E. M.

Reviews of the following :—

(1) H. H. Skilling, *Fundamentals of Electric Waves*. *Science Progress*, 37 (1949), 752.

(2) R. A. Smith, *Aerials for Metre and Decimetre Wavelengths*. *Ibid.*, 38 (1950), 371–2.

(3) F. Scowen, *An Introduction to the Theory and Design of Electrical Wave Filters*. *Ibid.*, 38 (1950), 551–2.

BARLOW, H. E. M., CULLEN, A. L.

(4) *Microwave Measurements*. Constable, Sept. 1950.

BROOKES, B. C.

(5) The first principle of clear statement. *Journal of the Institute of Works Managers* (1950), 11–2.

CULLEN, A. L.

(6) Waveguide field patterns in evanescent modes. *Wireless Engineer*, xxvi, No. 313 (Oct. 1949), 317–22.

(7) Absolute measurement of microwave power by radiation pressure. *Nature*, 165 (6 May 1950), 726.

CULLEN, A. L., MARRIOTT, H.

(8) The rationalisation of electrical theory and units. *Journal of the Institution of Electrical Engineers*, 97, Pt. 1, 107 (Sept. 1950), 245–51.

FROST-SMITH, E. H.

(9) An experimental study of the magnetic amplifier. *Journal of the Brit. Institution of Radio Engineers*, ix, No. 10 (Oct. 1949), 358–73.

KAPP, R. O.

(10) Effects of the origin of matter on cosmology. *The Observatory*, 69, No. 851 (Aug. 1949), 149–50.

(11) Development of the universe. *Nature*, 165, No. 4185 (14 Jan. 1950), 68 ; 165, No. 4200 (29 Apr. 1950), 687.

(12) The presentation of technical information. A paper read at the British Association, Birmingham, 1 Sept. 1950. *Engineering* (15 Sept. 1950), 228–9.

MacGregor-Morris, J. T.

(13) Birth Centenary of Ambrose Fleming, (29 Nov. 1949). Part I. Biographical. *Electronic Engineering* (Dec. 1949), 442–7.

(14) Part II. Sequence of events leading Sir Ambrose Fleming to the use of the wireless valve for radio reception. *Ibid.* (Jan. 1950), 22–6.

### Chemical Engineering (Professor H. E. Watson)

Donald, M. B.

(1) Burchard Kranich (C. 1515–1578), Miner and Queen's Physician, Cornish Mining Stamps, Antimony and Frobisher's Gold. *Annals of Science*, 6 (1950), 308.

Hayter, A. J.

(2) The development of gauze packed columns and their applications. Paper read before London Branch of the Institution of Chemical Engineers, 14 Mar. 1950. *Chem. and Ind.* (1950), 376 ; *Fluid Handling* (1950), 198.

Nicol, D. L.

(3) Moisture distribution in granular solids dried by high frequency heating. Paper read before London Branch of the Institution of Chemical Engineers, 14 Mar. 1950. *Chem. and Ind.* (1950), 376 ; *Fluid Handling* (1950), 198.

Watson, H. E.

(4) The separation of closely boiling liquids. *Ind. Chemist*, 25 (1949), 503.

## FACULTY OF MEDICAL SCIENCES

### Anatomy and Embryology

### (Professor J. Z. Young and Professor G. R. de Beer)

Abercrombie, M.

(1) The effects of antero-posterior reversal of lengths of the primitive streak in the chick. *Phil. Trans. Ser. B.*, 234 (1950), 317–38.

Aitken, J. T.

(2) Growth of nerve implants in voluntary muscle. *J. Anat.*, 84, Pt. 1 (1950), 39.

CAUSEY, G.

(3) Phosphorus in peripheral nerve. *Nature*, 166 (July 1950), 159.

CAUSEY, G., WERNER, G. A.

(4) Variations in the distribution of radioactive phosphorus produced by activity in peripheral nerves. *Ibid.*, 165 (Jan. 1950), 21.

DE BEER, G. R.

Editor of *Notes and Records of the Royal Society*, Vol. 7. Science Editor of *Home University Library*.

(5) Caruncles and egg-teeth : some aspects of the concept of homology. Presidential Address to the Linnean Society of London, 1948–49. *Proc. Linn. Soc. Lond.*, 161, Pt. 2 (30 Dec. 1949), 218–24.

DE BEER, G. R., HILL, J. P.

(6) Development of the monotremata. Pt. VII. The development and structure of the egg-tooth and the caruncle in the monotremes and on the occurrence of vestiges of the egg-tooth and caruncle in marsupials. *Trans. Zool. Soc. Lond.*, xxvi, Pt. 6, No. 1 (1950), 503–44.

FORD, P.

(7) The origin of the segmental musculature of the tail of the Axolotl (*Ambystoma*). *Proc. Zool. Soc. Lond.*, 119, Pt. III (1949), 609–32.

JOSEPH, J.

(8) Further studies in changes of nuclear population in degenerating non-myelinated nerves. *Acta Anatomica*, ix (1950), 280.

JOSEPH, J., HARRIS, H.

(9) Variation in extension of the metacarpo-phalangeal and inter-phalangeal joints of the thumb. *J. Bone and Joint Surg.*, British Number (Nov. 1949), 547–59.

QUILLIAM, T. A.

(10) (with J. P. Quilliam) Role of di-isopropyl fluorophosphonate in surgery. *The Lancet* (9 Apr. 1949), 603.

SHOLL, D., VIZOSO, A. D.

(11) (with R. S. Shepherd) The size relationships subsisting between body length, limbs and jaw in Man. *J. Anat.*, 83 (1949), 297–302.

YOUNG, J. Z.

(12) The nature of neuroglandular contacts. *J. Endocrinol.*, 6 (1949), 25.

(13) (with P. Kynaston Thomas) Internode lengths in the nerves of fishes. *J. Anat.*, 83 (1949), 336.

YOUNG, J. Z., BOYCOTT, B. B.

(14) The comparative study of learning. *Biol. Symp.*, No. 4 (1950), 432–53.

**Biochemistry (Professor E. H. F. Baldwin)**

CROOK, E. M., LAW, KATHLEEN

(1) The mode of action of glyoxalase. *Biochem. J.*, 46, *Proc. Biochem. Soc.* (1950), xxxvii.

CROOK, E. M.

(2) (with H. M. Salem) Production and utilisation of methyl glyoxal by tissue. *Ibid.*, 46, *Proc. Biochem. Soc.* (1950), xxvii.

DATTA, S. P.

(3) (with B. G. Overell and M. Stack-Dunne) Chromatography on alumina-impregnated filter paper. *Nature*, 164 (1949), 673.

DATTA, S. P., HARRIS, H.

(4) (with K. R. Rees) Chromatography of 2 : 4-dinitrophenyl-hydrazones of ketoacids on alumina. *Biochem. J.*, 46, *Proc. Biochem. Soc.* (1950), xxxvi.

DATTA, S. P., DENT, C. E., HARRIS, H.

(5) Apparatus for mass-production two-way paper chromatography. *Ibid.*, 46, *Proc. Biochem. Soc.* (1950), xlii.

GREENBAUM, A. L.

(6) (with S. J. Folley and A. Roy) The response of the ovary of the anoestrus goat to pregnant mares' serum gonadotrophin. *J. Endocrinol.*, 6 (1949), 121.

(7) (with S. J. Folley) Effect of experimental diabetes on tissue arginase levels. *Proc. J. Endocrinol.*, 6 (1949), x.

GREENBAUM, A. L., YOUNG, F. G.

(8) Distribution of protein in the tissues of rats treated with anterior-pituitary growth-hormone. *Nature*, 165 (1950), 521.

WARREN, F. L.

(9) (with A. St. G. Huggett and N. V. Winterton) Origin of fructose in the blood of the foetal sheep. *Ibid.*, 164 (1949), 271.

(10) (with A. St. G. Huggett and N. V. Winterton) Carbohydrate metabolism in the foetal sheep. *Proc. 1st Inter. Congress Biochem.* (1949), 9.

(11) Callow modification of Zimmerman reaction. *Methods in Medical Research*, ii (1950).

## Pharmacology (Professor F. R. Winton)

LOCKETT, MARY F.

(1) Adrenal hormone requirement after sympathectomy. *J. Physiol.*, 110 (1949), 19–20 P.

(2) Responses of denervated nictitating membrane to sympathomimetic amines. *Ibid.*, 110 (1949), 26 P.

(3) The responses of the heart rate and the systolic blood pressure to a series of sympathomimetic amines in the unanaesthetised atropinized bitch. *Ibid.*, 111 (1950), 19–42.

SCHILD, H. O.

(4) Hormone Assays. *Nature*, 165 (1950), 225–7.

STEINBERG, HANNAH, WILSON, A.

(5) (with G. S. Crockett and A. N. Exton-Smith) Clinical evaluation of effects of drugs on medical students as a teaching method. *Brit. Med. J.*, 2 (1950), 484–8.

WILSON, A.

(6) Histamine Antagonists. *British Encyclopaedia of Medical Practice. Interim Supplement* (Apr. 1950), 8–9.

(7) (with S. Nevin and D. W. Rowntree) The effects of diisopropyl-fluorophosphonate in schizophrenia and manic depressive psychosis. *J. Neurol. Neurosurg. Psychiat.*, 13 (1950), 47–59.

(8) Reviews in Pharmacology and Therapeutics :—Analgesic Drugs, 28–31. Aureomycin, 45–8. British Pharmacopoeia 1948, 60–3. Travel Sickness : Drug Treatment, 361–2. *Medical Annual* (1949).

(9) Reviews in Pharmacology and Therapeutics :—Sedative drugs, new, 301–3. Sympathetic vasoconstriction, 316–8. Tetraethylthiuramdisulphide in the treatment of alcoholism, 326–7. *Ibid.* (1950).

## Physiology (Professor G. L. Brown)

Daly, M. de Burgh

(1) Les études medicales en Grande-Bretagne. *Rev. Med. Liège*, 4 (1949), 618.

(2) Antihistaminiques de synthèse. *Ibid.*, 4 (1949), 693.

(3) Enseignement post-universitaire en Grande-Bretagne. *Ibid.*, 5 (1950), 57.

(4) L'histoire des St. Bartholomew's Hospital. *Ibid.*, 5 (1950), 335.

Eggleton, M. Grace, Habib, Y. A.

(5) Excretion of para-aminohippurate by the kidney of the cat. *J. Physiol.*, 110 (1949), 458.

(6) A phosphate excretion in man. *Proc. Physiol. Soc.*, 109 (1949), 14 P.

Harkness, R. D.

(7) Changes in the liver of the rat after partial hepatectomy. *J. Physiol.*, 109 (1949), 21 P.

(8) Collagen in the liver of the rat after partial hepatectomy. *Proc. Physiol. Soc.*, 111 (1950).

## Physiology (Biophysics Research Unit) (Professor A. V. Hill)

Harris, E. J.

(1) (with P. O. Bishop) A d.c. amplifier for biological application. *Rev. Sci. Inst.*, 21, No. 4 (1950), 366–77.

Hill, A. V.

(2) The abrupt transition from rest to activity in muscle. *Proc. Roy. Soc. B.*, 136 (1949), 399–420.

(3) Is relaxation an active process ? *Ibid.*, 136 (1949), 420–35.

(4) A challenge to biochemists. *Biochimica et Biophysica Acta.*, 4 (1950), 4–11.

(5) The dimensions of animals and their muscular dynamics. *Science Progress*, No. 150 (Apr. 1950), 209–30.

(6) A discussion on muscular contraction and relaxation : their physical and chemical basis. *Proc. Roy. Soc. B.*, 137 (1950), 40–50.

(7) Does heat precede mechanical response in muscular contraction ? *Ibid.*, 137 (1950), 268–73.

(8) The series elastic component of muscle. *Ibid.*, 137 (1950), 273–80.
(9) Mechanics of the contractile element of muscle. *Nature*, 166 (1950), 1–12.

KATZ, B.

(10) (with A. L. Hodgkin) The effect of calcium on the axoplasm of giant nerve fibres. *J. exp. Biol.*, 26 (1949), 292–4.
(11) (with A. L. Hodgkin and A. F. Huxley) Ionic currents underlying activity in the giant axon of the squid. *Arch. Sci. Physiol.*, 3 (1949), 129–50.
(12) Les constants électriques de la membrane du muscle. *Ibid.*, 3 (1949), 285–300.
(13) Electrical properties of muscle fibre. *Research*, London, 3 (1950), 359–65.

# APPENDIX VII

## HONORARY FELLOWS OF UNIVERSITY COLLEGE LONDON

THE YEAR OF CONFERMENT OF THE TITLE IS GIVEN IN BRACKETS

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COHEN, Sir Robert Waley, K.B.E., M.A., Vice-Chairman, University College Committee; Chairman, Managing Sub-Committee, University College London; Chairman, Ramsay Memorial Fellowships Trustees. [1950].

DALE, Sir Henry Hallett, O.M., G.B.E., M.A., M.D., F.R.C.P., F.R.S., Chairman of The Wellcome Trust; formerly President of the Royal Society. [1948].

HILL, Archibald Vivian, C.H., O.B.E., Sc.D., LL.D., D.Sc., M.D., F.R.S., Foulerton Research Professor of the Royal Society and Professor of Physiology (Biophysics Research Unit), University College London; Member of College Committee. [1948].

JENKINSON, Sir Hilary, C.B.E., M.A., F.S.A., Deputy Keeper of Public Records and Keeper of the Land Revenue Records. [1950].

KENNET of the DENE, The Rt. Hon. Lord, P.C., G.B.E., D.S.O., D.S.C., M.A., D.C.L. [1932].

PYE, David Randall, C.B., M.A., Sc.D., F.R.S., Provost of University College London. [1946].

WATSON, David Meredith Seares, LL.D., D.Sc., F.R.S., Jodrell Professor of Zoology and Comparative Anatomy, University College London. [1948].

# APPENDIX VIII

## FELLOWS OF UNIVERSITY COLLEGE LONDON

THE YEAR OF ELECTION TO FELLOWSHIP IS GIVEN IN BRACKETS

* Denotes a former pupil of University College School

**A complete list of the Fellows of the College, from 1843 to 1930, is published in the Calendar for 1931–32, pp. lxvii–lxxxi.**

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ANDRADE, Edward Neville da Costa, LL.D., D.Sc., Ph.D., F.R.S., Director in the Royal Institution, Resident Professor and Director of the Davy Faraday Research Laboratory; Professor Emeritus of Physics and formerly Quain Professor of Physics, University College London; sometime Professor of Physics, Artillery College, Woolwich. [1916].

ANREP, Gleb, M.A., D.Sc., M.D., F.R.S., Professor of Physiology, University of Cairo; sometime Senior Assistant, Department of Physiology, University College London, and Lecturer in Physiology, University of Cambridge. [1928].

ARBER, Agnes (*née* Robertson), M.A., D.Sc., F.L.S., F.R.S., formerly Lecturer in Botany, University College London. [1906].

BARLOW, Harold Everard Monteagle, B.Sc.(Eng.), Ph.D., M.I.E.E., A.M.I.Mech.E., Professor of Electrical Engineering, University College London; Member of University College Committee. [1946].

BARRINGTON, Frederick James Fitzmaurice, M.S., F.R.C.S., formerly Surgical Registrar and House Surgeon, University College Hospital. [1920].

BASSETT, Henry, D.Sc., Ph.D., D.-ès-Sc., formerly Director of Research and Development, Peter Spence & Sons, Ltd., Widnes, Lancs; Professor of Chemistry, University of Reading. [1912].

BATHO, Edith Clara, M.A., D.Lit., Principal, Royal Holloway College, University of London; formerly Reader in English Literature, University College London; sometime Quain Student and Senior Lecturer in English. [1934].

BAYNES, Norman Hepburn, M.A., D.Litt., Litt.D., D.D., F.B.A., F.S.A., Professor Emeritus of Byzantine History, University College London; formerly Reader in History of the Roman Empire and Director of the Evening School of History. [1936].

BELLOT, Hugh Hale, M.A., Commonwealth Fund Professor of American History, University College London, and Historian of the College; formerly Reader in Modern History, Victoria University of Manchester; Member of the Senate of the University of London. [1932].

BESANT, Arthur Digby, B.A., Past Pres. I.A., formerly General Manager and Actuary, Clerical, Medical and General Life Assurance Society; Member of University College Committee. [1924].

BHATNAGAR, Sir Shanti Swarupta, O.B.E., D.Sc., F.R.S., Director of Scientific and Industrial Research, Government of India; formerly Professor of Chemistry and Director, University Chemistry Laboratory, University of the Punjab. [1946].

BLACKMAN, Elsie [*née* Chick], M.A., formerly Senior Lecturer in English, University College London; sometime Quain Student in English. [1918].

BRENCHLEY, Winifred Elsie, O.B.E., D.Sc., F.L.S., formerly Head of Botanical Department, Rothamsted Experimental Station. [1914].

BRODIE, Chief Rabbi Israel, B.A., B.Litt., Chief Rabbi of the United Hebrew Congregations of the British Commonwealth and Empire. [1950].

CARTER, James Thornton, F.Z.S., formerly Honorary Research Assistant in Histology, University College London. [1926].

CHANNON, Harold John, C.M.G., D.Sc., Director of Technical Division, Unilever, Ltd.; formerly Professor of Biochemistry, University of Liverpool, and Biochemist in the Department of Experimental Pathology and Cancer Research, University of Leeds. [1932].

CHAPMAN, Hugh Wallis, B.Sc. [1906].

CHENG, Tien-Hsi, LL.D., formerly Chinese Ambassador to Great Britain; Member of the Permanent Court of International Justice, The Hague. [1938].

CHICK, Harriette, D.B.E., D.Sc., Lecturer in Experimental Pathology, Lister Institute; sometime Member of University College Committee. [1918].

CHUBB, Gilbert Charles, M.B., B.S., D.Sc., F.R.C.S., Consulting Surgeon, Ear, Nose and Throat Department, Westminster Hospital, and Throat Hospital, Golden Square; formerly Assistant Professor of Zoology, University College London. [1908].

CLARKE, Hans Thacher, D.Sc., Professor of Biochemistry, University of Columbia; formerly Head Organic Chemist to American Kodak Company. [1916].

COLLINSON, William Edward, M.A., Ph.D., Professor of German, University of Liverpool; formerly Member, University Grants Committee. [1916].

COOK, James Wilfred, Ph.D., D.Sc., F.R.S., Regius Professor of Chemistry, University of Glasgow. [1950].

COWELL, Major-General Sir Ernest Marshall, K.B.E., C.B., D.S.O., T.D., M.D., F.R.C.S., Honorary Surgeon to H.M. the King; Honorary Colonel, Territorial Army; Principal Medical Officer, Control Commission for Germany; formerly Director of Medical Services, Allied Forces, N. Africa; sometime Resident Medical Officer, University College Hospital. [1918].

CRIPPS, The Rt. Hon. Sir Richard Stafford, P.C., K.C., M.P., LL.D., D.C.L., F.R.S., Chancellor of the Exchequer and Minister for Economic Affairs; formerly President of the Board of Trade and Minister of Aircraft Production; sometime Lord Privy Seal, British Ambassador to U.S.S.R.; Solicitor-General and Lord Rector of the University of Aberdeen. [1930].

DONKIN, Sidney Bryan, M.Inst.C.E., M.I.Mech.E., M.I.E.E., M.Cons.E., Senior Partner, Messrs. Kennedy & Donkin, Consulting Engineers; Past President, Institution of Civil Engineers. [1946].

DONNAN, Frederick George, C.B.E., M.A., LL.D., Ph.D., D.Sc., F.R.S., Professor Emeritus of Chemistry, University College London; formerly Director of the Chemical Laboratories, University College London; sometime Professor of Physical Chemistry and Director of the Muspratt Laboratory of Physical and Electro-Chemistry, University of Liverpool. [1936].

DUKE-ELDER, Sir Stewart, K.C.V.O., M.A., D.Sc., Ph.D., M.D., F.R.C.S., Surgeon Oculist to H.M. the King. [1948].

EGERTON, Sir Alfred Charles Glyn, M.A., D.Sc., F.R.S., Professor of Chemical Technology, Imperial College of Science; Secretary of the Royal Society; formerly Reader in Thermodynamics, University of Oxford. [1928].

EGGLETON, Marion Grace, D.Sc., M.R.C.S., L.R.C.P., Senior Lecturer in Physiology, University College London. [1948].

ELDERTON, Ethel Mary, D.Sc., formerly Hon. Research Associate in Statistics; sometime Reader in Social Statistics, Reader in Eugenics, and Galton Research Fellow, University College London. [1920].

EVANS, Benjamin Ifor, M.A., D.Lit., Principal of Queen Mary College, London; formerly Professor of English Language and Literature, Queen Mary College, London; sometime Professor of English, University College, Southampton, and Professor of English Literature, University of Sheffield. [1934].

EVANS, Charles Arthur Lovatt, LL.D., D.Sc., F.R.C.P., M.R.C.S., F.R.S., Professor Emeritus of Physiology and formerly Jodrell Professor of Physiology, University College London; sometime Professor of Physiology, University of Leeds, and Professor of Physiology, St. Bartholomew's Hospital Medical College. [1918].

EVANS, Joan, D.Litt., D.Lit., F.S.A., President, Royal Archæological Institute; Vice-President, Society of Antiquaries; Honorary Fellow of St. Hugh's College, Oxford. [1950].

FORDE, Cyril Daryll, Ph.D., Professor of Anthropology, University College London. [1946].

FRASER, Elizabeth Alice, D.Sc., Hon. Research Associate, Department of Zoology, University College London; formerly Reader in Zoology, University College London. [1924].

GARDHAM, Arthur John, M.B., M.S., F.R.C.S., L.R.C.P., Surgeon, University College Hospital; formerly Hunterian Professor of the Royal College of Surgeons. [1946].

GARNER, William Edward, C.B.E., D.Sc., F.R.S., Leverhulme Professor of Physical Chemistry, University of Bristol; formerly Reader in Physical Chemistry, University College London. [1930].

GASKELL, Surgeon Vice-Admiral Sir Arthur, K.C.B., O.B.E. F.R.C.S., Hon. Surgeon to H.M. the King; formerly Medical Director-General of the Navy. [1928].

GIBB, Sir Alexander, G.B.E., C.B., LL.D., F.R.S.E., F.R.S., Senior Member of the Firm of Sir Alexander Gibb & Partners, Consulting Civil Engineers; Past President of the Institutions of Civil Engineers and Chemical Engineers; Member of the College Committee. [1920].

GINSBERG, Morris, M.A., D.Lit., Martin White Professor of Sociology, London School of Economics; formerly Assistant and Lecturer in the Department of Philosophy and Psychology, University College London. [1926].

GOODEVE, Sir Charles Frederick, O.B.E., D.Sc., F.R.S., Director, British Iron and Steel Research Association; formerly Reader in Chemistry, University College London. [1946].

GOODYEAR, Edith, B.Sc., formerly Tutor to Women Students, University College London; sometime Senior Assistant and Hon. Lecturer, Department of Geology. [1946].

GRATTAN, John Henry Grafton, B.A., Professor Emeritus and formerly Baines Professor of English Language and Philology, University of Liverpool; sometime Reader in English and Germanic Philology, University College London. [1928].

GRAY, Sir Archibald Montague Henry, C.B.E., M.D., F.R.C.P., F.R.C.S., Consulting Physician, University College Hospital; sometime Dean of University College Hospital Medical School. [1908].

HAAS, Paul, Ph.D., D.Sc., formerly Reader in Plant Chemistry, University College London, and Lecturer in Physics and Chemistry, Royal Botanical Gardens, Kew. [1928].

HALL, George, C.M.G., M.D., B.Sc., F.R.C.P., Consulting Physician, Royal Victoria Infirmary, Newcastle-upon-Tyne. [1912].

HARMER, Sir Sidney Frederic, K.B.E., Sc.D., M.A., F.R.S., Hon. Fellow of King's College, Cambridge; formerly Director, Natural History Museum; sometime President of the Linnean Society. [1884]. [*Died on 22nd October 1950.*]

HARRIS, Henry Albert, M.A., M.D., D.Sc., M.R.C.S., M.R.C.P., Professor of Anatomy and Fellow of St. John's College, University of Cambridge; formerly Professor of Clinical Anatomy, University College London and University College Hospital Medical School; sometime Hunterian Professor of the Royal College of Surgeons. [1932].

HART, Bernard, C.B.E., M.D., F.R.C.P., Consulting Physician in Psychological Medicine, University College Hospital, and in Psychiatry, National Hospital, Queen Square, London. [1914].

HART, Cecil Augustus, T.D., D.Sc.(Eng.), Ph.D., M.I.C.E., F.R.I.C.S., A.M.I.Struct.E., Vice-Chancellor of the Roorkee University of Engineering and Applied Science; formerly Professor of Surveying and Photogrammetry, University College London. [1948].

HAWKSLEY, John Callis, C.B.E., M.D., Ph.D., F.R.C.P., M.R.C.S., Dean of University College Hospital Medical School; Physician, University College Hospital, and St. Peter's Hospital for Stone. [1946].

HEATH, Philip Maynard, M.B., M.S., F.R.C.S., Consulting Surgeon, Metropolitan and Gordon Hospitals and Evelina Hospital for Sick Children; formerly Surgical Registrar, University College Hospital. [1908].

HERON, David, M.A., D.Sc., Member of the Senate of the University of London; Member of University College Committee and Treasurer; Past President, Royal Statistical Society; formerly Assistant Director, Galton Laboratory, University College London. [1918].

HEYROVSKY, Jaroslav, Ph.D., D.Sc., Professor of Physical Chemistry, Charles University of Prague. [1926].

HILL, Elizabeth Mary, B.A., Ph.D., Professor of Slavonic Studies in the University of Cambridge; formerly Chief Slavonic Specialist, Ministry of Information. [1946].

HILL, Geoffrey Terence Roland, M.C., M.Sc.(Eng.), M.I.Mech.E., F.R.Ae.S., Inventor of Pterodactyl Aeroplane; formerly Kennedy Professor of Mechanical Engineering, University College London. [1930].

HILL, Sir Leonard Erskine, LL.D., M.B., M.R.C.S., F.R.S., Director of Research, St. John Clinic and Institute of Physical Medicine; formerly Director of Department of Applied Physiology, National Institute of Medical Research, Mount Vernon, Hampstead. [1924].

HILL, Sir Roderic Maxwell, K.C.B., M.C., A.F.C., M.A., Rector, Imperial College of Science and Technology, London, Air Chief-Marshal, R.A.F.; formerly: Principal Air Aide-de-Camp to H.M. the King, Member of Air Council for Technical Services, Director of Technical Development, Air Ministry, Head of the Experimental Flying Department of the Royal Aircraft Establishment, A.O.C.in-C., R.A.F. Fighter Command, Air Aide-de-Camp to H.M. King George V. [1924].

HILTON, Elfrida Lilian Gwendolen (*née* Hill), B.Sc., M.B., B.S., D.M.R.E., F.F.R., Honorary Radiotherapist, University College Hospital. [1946].

HIMSWORTH, Harold Percival, M.D., F.R.C.P., Secretary of the Medical Research Council; formerly Professor of Medicine and Director of the Medical Unit, University College Hospital Medical School; formerly Member of University College Committee. [1936].

HORTON, Robert Lister, M.B., M.S., F.R.C.S., L.R.C.P., formerly House Surgeon, House Physician and Surgical Registrar, University College Hospital. [1924].

HSU, His Excellency Un Yuen, Jevons Memorial Scholar, 1910–1912; Councillor of the Cabinet of the Republic of China and Member of the President's Financial Council. [1918].

INCE, Sir Godfrey Herbert, K.C.B., K.B.E., B.Sc., Permanent Secretary, Ministry of Labour and National Service. [1946].

JAMES, Rev. Edwin Oliver, M.A., D.Litt., Ph.D., D.D., Professor of History and Philosophy of Religion, University of London. [1946].*

JEAFFRESON, John Walter, M.A., formerly Senior Lecturer in French, University College London. [1928].

JEFFERY, George Barker, M.A., D.Sc., F.R.S., Director, Institute of Education, University of London; formerly Astor Professor of Mathematics, University College London ; sometime Reader in Applied Mathematics, University College London, and Professor of Mathematics, King's College, London; Member of the Senate of the University of London. [1916].

JOHN, Augustus Edwin, O.M., R.A., LL.D., President of the Society of Mural Painters; formerly President of the National Portrait Society and of the Royal Academy of Wales. [1920].

KARUNARATNE, William Arthur Edward, O.B.E., M.B., B.S., M.D., Professor of Pathology and Dean of the Faculty, Ceylon Medical College. [1948].

KEEN, Bernard Augustus, D.Sc., F.R.S., Director, East African Agricultural and Forestry Research Organisation; formerly Assistant Director and Head of Soil Physics Department, Rothamsted Experimental Station and Director, Imperial Agricultural Research Institute, India. [1924].

LAYTON of DANEHILL, The Rt. Hon. Lord, C.H., C.B.E., M.A., LL.D., formerly Member of University College Committee; Fellow of Gonville and Caius College, Cambridge; sometime Editor of the *Economist*, and Newmarch Lecturer in Statistics, University College London. [1912].

LEVY, Alfred Goodman, M.D., M.R.C.P., M.R.C.S., formerly Pathologist, London Temperance Hospital; Consulting Physician, City of London Hospital for Diseases of the Chest. [1926].

LEWENZ, Marie Adela, M.A. [1904].

LIMEBEER, Dora Emily, M.A., sometime Headmistress of Broughton High School. [1950].

LUDFORD, Reginald James, D.Sc., Ph.D., Hon. Lecturer in Cytology, University College London; Director of Research, Mount Vernon Hospital and the Radium Institute; formerly Foulerton Medical Research Student, Royal Society; Member of the Scientific Staff, Imperial Cancer Research Fund; President, Royal Microscopical Society. [1936].

MACGREGOR-MORRIS, John Turner, D.Sc.(Eng.), M.I.E.E., Professor Emeritus of Electrical Engineering, Queen Mary College; Hon. Research Associate, University College London. [1932].

MACNALTY, Sir Arthur Salusbury, K.C.B., M.A., M.D., D.P.H., F.R.C.P., F.R.C.S., Hon. Physician to H.M. the King; Editor-in-Chief for Official Medical History of the 1939–45 war; formerly Chief Medical Officer, Ministry of Education and Ministry of Health. [1936].

MALLETT, Edward, D.Sc.(Eng.), M.Inst.C.E., M.I.E.E., F.Inst.P., Principal of the Woolwich Polytechnic Institute; formerly Reader in Electrical Engineering, City and Guilds (Engineering) College, London. [1934]. [*Died on 10th December 1950.*]

MARRIAN, Guy Frederic, D.Sc., F.R.I.C., F.R.S., Professor of Chemistry in Relation to Medicine, University of Edinburgh; Member of Agricultural Research Council; formerly Professor of Biochemistry, University of Toronto. [1946].

MARTIN, Edward Kenneth, M.B., M.S., F.R.C.S., Surgeon, University College Hospital; Member of University College Committee; formerly Demonstrator in Anatomy, University College London. [1918].

MARTIN, Philippa Parry [*née* Pughe], M.S., F.R.C.S., Ophthalmic Surgeon; formerly Hunterian Professor, Royal College of Surgeons. [1948].

MASSON, Sir [James] Irvine [Orme], M.B.E., LL.D., D.Sc., F.R.S., Vice-Chancellor, University of Sheffield; formerly Professor of Chemistry and Director of the Science Department, University of Durham; sometime Reader in Inorganic Chemistry, University College London. [1924].

MEES, Charles Edward Kenneth, D.Sc., F.R.S., Vice-President and Director in Charge of Research, Eastman Kodak Company, Rochester, New York, U.S.A. [1950].

METCALFE, Edward Parr, D.Sc., Principal, Central College, Bangalore, and University Professor of Physics, University of Mysore, India. [1922].

MICKLEM, Nathaniel, M.A., LL.B., B.C.L., K.C., formerly Member of Senate, University of London; sometime Treasurer of Lincoln's Inn. [1882]. (**Senior Fellow.**)

MOUNT-EDGCUMBE, The Rt. Hon. the Earl of, T.D., M.Inst.C.E., M.I.E.E., Past President of the Institution of Electrical Engineers. [1930].

MURRAY, Margaret Alice, D.Lit., F.S.A.(Scot.), F.R.A.I., formerly Assistant Professor of Egyptology, University College London. [1922].

NABARRO, David Nunes, M.D., B.Sc., D.P.H., F.R.C.P., Consulting Pathologist; formerly Director of the Pathological Department and Bacteriologist, Hospital for Sick Children, Great Ormond Street; sometime Assistant Professor of Pathology, University College Hospital Medical School. [1898].

NEALE, John Ernest, M.A., D.Litt., F.B.A., Astor Professor of English History, University College London; Member of College Committee; formerly Professor of Modern History, Victoria University of Manchester. [1932].

NICHOLLS, Major-General Leslie Burtonshaw, C.B., C.B.E., A.M.I.E.E., Managing Director of Cable & Wireless Ltd.; formerly Chief Signals Officer at Supreme Headquarters, Allied Expeditionary Force. [1948].

NORMAN, Frederick, O.B.E., M.A., Professor of German, King's College, London; formerly Reader in German, University and King's Colleges, London; Member of the Senate of the University of London. [1936].

OAKLEY, Cyril Leslie, M.D., Head of the Department of Immunological and Experimental Pathology, Wellcome Research Laboratories, Beckenham, Kent. [1950].

O'DONOGHUE, Charles Henry, D.Sc., F.Z.S., F.R.S.E., Professor of Zoology, University of Reading; formerly Reader in Zoology, University of Edinburgh, and Professor of Zoology, University of Manitoba; sometime Senior Assistant in Zoology and Comparative Anatomy, University College London. [1914].

OFFOR, Richard, B.A., Ph.D., Emeritus Librarian of the University of Leeds; Library Adviser to Inter-University Council for Higher Education in the Colonies. [1946].

OLIVER, Francis Wall, M.A., LL.D., D.Sc., F.R.S., Professor Emeritus of Botany, University College London; formerly Professor of Botany, University of Cairo; sometime Quain Professor of Botany, University College London. [1886].

PAGE, Harold James, O.B.E., B.Sc., F.R.I.C., F.I.R.I., Principal, Imperial College of Tropical Agriculture, Trinidad; formerly Director of the Rubber Research Institute of Malaya; sometime Head of the Imperial Chemical Industries Experimental Station for Agricultural Research, and Chief Chemist and Head of the Chemical Department, Rothamsted Experimental Station. [1934].

PARIS, Edward Talbot, C.B., D.Sc., Chief Scientific Adviser, Home Office. [1918].

PARKES, Alan Sterling, M.A., D.Sc., Sc.D., Ph.D., F.R.S., Member of Staff, National Institute for Medical Research; formerly Foulerton Student of the Royal Society; sometime Honorary Lecturer in Physiology, University College London. [1934].

PARSONS, Sir John Herbert, C.B.E., LL.D., D.Sc., M.B., B.S., F.R.C.S., F.R.S., Consulting Ophthalmic Surgeon to University College Hospital, and to the Royal London Ophthalmic Hospital; sometime Lecturer in Physiological Optics, University College London; Past President, Royal Society of Medicine. [1910].

PAUL, Agnes Stoddard, M.A., B.D., formerly Tutor to Women Students, King's College, London. [1902].

PEARSON, Egon Sharpe, C.B.E., M.A., D.Sc., Professor of Statistics, University College London; Associate Member, Ordnance Board, Ministry of Supply. [1932].

PENSON, Lillian Margery, Ph.D., LL.D., D.Litt., Professor of Modern History, University of London (Bedford College); Vice-Chancellor of the University of London. [1950].

PILCHER, Robin Sturtevant, M.S., F.R.C.S., M.R.C.P., Professor of Surgery and Director of Surgical Unit, University College Hospital. [1946].

PLIMMER, Robert Henry Aders, D.Sc., Professor Emeritus of Chemistry, St. Thomas's Hospital Medical School; sometime Reader in Physiological Chemistry, University College London, and Biochemist and Head of Biochemistry Department, Rowett Research Institute, Aberdeen. [1906].

PLUCKNETT, Theodore Frank Thomas, M.A., LL.B., F.B.A., Professor of Legal History, University of London (London School of Economics). [1950].

QUARTERMAINE, Allan Stephen, C.B.E., M.C., B.Sc.(Eng.), M.Inst.C.E., Chief Engineer, British Railways (Western Region); formerly Director-General of Aircraft Production Factories. [1938].

RANDALL, Sir Alec Walter George, K.C.M.G., C.B.E., B.A., H.M. Ambassador to Denmark. [1948].

RANKINE, Alexander Oliver, O.B.E., D.Sc., F.R.S., Secretary of the Royal Institution of Great Britain; Emeritus Professor of Physics, Imperial College of Science and Technology; formerly Chief Physicist, Anglo-Iranian Oil Company; sometime Assistant in Physics, University College London. [1912].

REID, Rachel Robertson, M.A., D.Lit., formerly District Inspector, L.C.C. Education Committee; sometime Senior Assistant in English History, University College London; formerly Director of Studies in History, Girton College, Cambridge. [1912].

RENIER, Gustaaf Johannes Petrus, Ph.D., Phil.Lit.cand., Professor of Dutch History and Institutions, University College London. [1948].

RICHARDSON, Archibald Read, D.S.O., B.Sc., F.R.S., formerly Professor of Mathematics, University College of Swansea; sometime Assistant Professor of Mathematics, Imperial College of Science and Technology. [1932].

RIDING, Alice Laura Stuart, M.A. [1888].

RUSS, Sidney, C.B.E., D.Sc., Professor Emeritus of Physics, Middlesex Hospital Medical School; formerly Scientific Secretary of the National Radium Council. [1916].

SALISBURY, Sir Edward James, C.B.E., LL.D., D.Sc., F.R.S., Director of the Royal Botanic Gardens, Kew; Vice-President and Biological Secretary of the Royal Society; formerly Quain Professor of Botany, University College London; sometime Reader in Plant Ecology; Member of the Senate of the University of London, and of the University Grants Committee. [1916].

SANSOM, George Samuel, D.F.C., M.C., D.Sc., formerly Hon. Research Assistant in Embryology, University College London. [1930].

SINGER, Charles, M.A., M.D., D.Litt., F.S.A., Professor Emeritus of the History of Medicine, University of London. [1950].

SMILES, Samuel, O.B.E., D.Sc., F.R.S., Professor Emeritus of Chemistry, King's College, London; sometime Assistant Professor of Chemistry, University College London; formerly Professor of Organic Chemistry, Armstrong College, Newcastle-upon-Tyne. [1904].

STANSGATE, The Rt. Hon. The Viscount, P.C., D.S.O., D.F.C., B.A., formerly Secretary of State for Air and Secretary of State for India. [1918].

STEVENS, William Mitchell, M.D., F.R.C.P., Senior Physician to King Edward VII's Hospital, Cardiff. [1898].

STOPES, Marie Carmichael, D.Sc., Ph.D., F.L.S., F.G.S., F.R.S.L., formerly Lecturer in Palaeobotany, Victoria University of Manchester; sometime Lecturer in Palaeobotany, University College London. [1910].

STRANG, Sir William, G.C.M.G., K.C.B., M.B.E., B.A., Joint Permanent Under-Secretary of State, Foreign Office; Foreign Secretary's Deputy to the Council of Foreign Ministers; Chief Political Advisor to the Control Commission for Germany. [1946].

TANSLEY, Sir Arthur George, M.A., F.R.S., President, Council for Promotion of Field Studies; Chairman, The Nature Conservancy; formerly Fellow of Magdalen College and Sherardian Professor Emeritus of Botany, University of Oxford; sometime Assistant Professor of Botany, University College London, and Lecturer in Botany, University of Cambridge. [1896].

TAYLOR, Julian, O.B.E., M.B., M.S., F.R.C.S., Surgeon, University College Hospital; Surgeon, National Hospital for Nervous Diseases, Queen Square, London. [1936].

TEALE, Francis Hugo, C.V.O., M.D., B.Sc., F.R.C.P., Lecturer on Bacteriology and Vaccine Therapy at University College Hospital Medical School, and Honorary Officer-in-Charge, Inoculation Department, University College Hospital. [1914].

THANE, Edgar Herbert, M.D. [1892].*

TOY, Francis Carter, C.B.E., D.Sc., Director, British Cotton Industry Research Association. [1936].

TRAVERS, Morris William, D.Sc., F.R.S., Professor Emeritus and formerly Fellow and Nash Lecturer in Applied Physical Chemistry, University of Bristol; sometime Director of the Indian Institute of Science, Bangalore, and Assistant Professor of Chemistry, University College London. [1900].

TUCK, William Bradshaw, D.Sc., formerly Professor of Chemistry, Middlesex Hospital Medical School; sometime Assistant, Department of Chemistry, University College London. [1922].

WALKER, Charles Clement, C.B.E., A.M.Inst.C.E., F.R.Ae.S., Chief Engineer to and Director of De Havilland Aircraft Company. [1938].

WALSHE, Francis Martin Rouse, O.B.E., D.Sc., M.D., F.R.C.P., F.R.S., Physician-in-Charge, Neurological Department, University College Hospital, and National Hospital for Nervous Diseases, Queen Square, London. [1922].

WATSON, Constance Bruce, (*née* Low), M.A. [1906].

WATSON, Herbert Edmeston, D.Sc., F.R.I.C., M.I.Chem.E., Ramsay Professor of Chemical Engineering, University College London; formerly Professor of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore. [1914].

WEISS, Frederick Ernest, D.Sc., LL.D., F.R.S., Emeritus Professor of Botany, and formerly Vice-Chancellor, Victoria University of Manchester; Past President of the Linnean Society. [1894].

WHEELER, Robert Eric Mortimer, C.I.E., M.C., M.A., D.Lit., D.Litt., F.B.A., F.S.A., Professor of Archaeology of the Roman Provinces, Institute of Archaeology, University of London; Secretary of the British Academy; formerly Director-General of Archaeology in India, Keeper of the London Museum, Hon. Director of the University of London Institute of Archaeology, and Lecturer in British Archaeology, University College London; sometime Director, National Museum of Wales, and Lecturer in Archaeology, University College of South Wales. [1922].

WHITE, Clifford Sidney, M.D., B.S., F.R.C.P., F.R.C.S., F.R.C.O.G., Consulting Obstetrical Surgeon, University College Hospital; Past President Obstetrical and Gynaecological Section of the Royal Society of Medicine; Consulting Surgeon, Metropolitan Hospital and St. Mary's Hospital for Women. [1938].

WHYTLAW-GRAY, Robert W., O.B.E., Ph.D., D.Sc., F.R.S., formerly Professor of Chemistry, University of Leeds; sometime Assistant Professor of Chemistry, University College London. [1910].

WILKS, John Alexander, M.A., F.L.A., Librarian, University College London. [1938].

WILLIAMS, Gwynne Evan Owen, M.S., F.R.C.S., Surgeon; formerly Dean of University College Hospital Medical School. [1930].

WILLOUGHBY, Leonard Ashley, M.A., D.Lit., Ph.D., Professor of German Language and Literature, University College London; formerly Henry Simon Professor of German, Victoria University of Manchester; sometime Senior Taylorian Lecturer in German, University of Oxford, and Lecturer in German, University of Sheffield. [1910].

WOOD, Arthur Charles, M.C., M.A., sometime Quain Student in English, University College London. [1914].

WOODCOCK, Harold Mellor, D.Sc., Assistant in Protozoology, Lister Institute. [1910].

WOODLAND, William Norton Ferrier, D.Sc., late of Helminthology Department, Wellcome Research Institute; formerly Professor of Zoology at the Allahabad University; sometime Assistant Professor of Zoology, University College London. [1912].

YOUNG, Frank George, Ph.D., D.Sc., F.R.I.C., F.R.S., Sir William Dunn Professor of Biochemistry, University of Cambridge; formerly Professor of Biochemistry, University College London; sometime Sharpey Scholar and Assistant, Department of Biochemistry, University College London. [1946].

YULE, George Udny, C.B.E., M.A., F.R.S., sometime Newmarch Lecturer in Statistics; Past President of the Royal Statistical Society; formerly Assistant Professor of Applied Mathematics, and University Lecturer and Reader in Statistics, University of Cambridge. [1926].

# FORM OF LEGACY

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